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Montana State
Occupational
Information
Coordinating
Committee



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MONTANA SUPPLY / DEMAND REPORT

Second Edition
September 1984

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MONTANA SUPPLY/DEMAND REPORT



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September, 1984

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- . Bob Rafferty, Chief, Research and Analysis Bureau, Centralized Services Division, Department of Labor and Industry
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- . John Balsam, Small Business Advocate, Business Assistance Division, Department of Commerce
- . Sam Larango, Counselor, Rehabilitative/Visual Services Division, Department of Social and Rehabilitation Services

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The efforts of Fran Mares, SOICC Administrative Assistant, have made a considerable contribution to this publication. Fran edited, typed, proofed, assisted in writing, and clustered much of the information contained within this second edition of the Montana Supply/Demand Report.

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Points to Remember About the Montana SOICC

- o The Montana SOICC is a Committee.
- o The SOICC and its work are really an extension of each of its member agencies and their individual agency work.
- o All of the SOICC's work is accomplished through interagency cooperation.
- o The SOICC compiles data from many agencies, then processes and analyzes the data in a technically appropriate manner to produce information usable by program planners and administrators.
- o The SOICC's work minimizes duplication between agencies and improves the availability of useful information (particularly important in times of reduced budgets).
- o The SOICC provides a formal structure that links the work done by education and labor agencies in Montana.
- o The SOICC is responsible for designing, implementing and maintaining a statewide, comprehensive Occupational Information System (OIS) based on current supply (workers) and demand (jobs).

For Further Information Contact:

The Montana State Occupational Information
Coordinating Committee (SOICC)

Post Office Box 1728

Helena, Montana 59624 (406) 444-2741

Introduction

A continuing challenge facing education and training institutions is to identify, design, and offer programs that serve both the needs of individual participants and the needs of the economy and society as a whole. It is crucial that training programs designed to prepare individuals for specific occupations be realistic in light of the anticipated job openings (demand) and the expected number of persons available for and prepared to fill them (supply).

While a number of factors must be considered in the design of training strategies, it is clear that occupational information can serve as a valuable asset to the planner. Recent legislation -- in particular the Vocational Education Amendments of 1976, the Comprehensive Employment and Training Act Amendments of 1978 and the Job training Partnership Act (JTPA) of 1982 -- have stressed the value of providing and using occupational information, by mandating the development of national, State and local occupational information systems (OIS) to meet the common occupational information needs of vocational education and employment and training programs.

An OIS adds an important dimension to planning processes because it provides comprehensive data on current and anticipated labor market conditions. Access to this information has several potential benefits for education and training institutions. For example, it may enable them to play a greater role in economic

development efforts or to respond to employers' needs in a more systematic and timely fashion. While personal contacts are very important, they are difficult to maintain in large numbers across a wide spectrum of employers. The OIS offers planners a broad perspective of employment needs and an efficient means of learning about local labor market conditions.

An OIS, however, cannot provide a planner with a definite quantitative indicator of what to do about a program along the lines of "30 additional people need to be trained in program X." Analysis and interpretation of possible causes for labor imbalances is not an exact science. Judgment, reason, and the experience of the planner, program advisory groups and others all need to be considered in analyzing occupational information as a factor in program planning decisions.

An OIS can help planners make better informed decisions. It saves time and increases efficiency by flagging potential problems and verifying areas that are performing well. This allows planners to focus their attention and limited resources on areas that require action. An OIS also can provide planners with documentation to justify program decisions and thus aid in obtaining approval of plans and funding. In times of limited resources, demonstrating the potential impact of a program on the economy of the community and the State could prove to be a critical point in obtaining funding. Use of a comprehensive, integrated OIS can help planners justify decisions on the basis

of economic impact and answer questions that may be raised in the plan approval process.

Planning decisions can have broad policy implications and do involve consideration of many factors other than labor market conditions, among them:

- financial resources
- availability of qualified teachers
- presence of tenured faculty
- space
- facilities
- equipment
- materials and curricula
- student interest

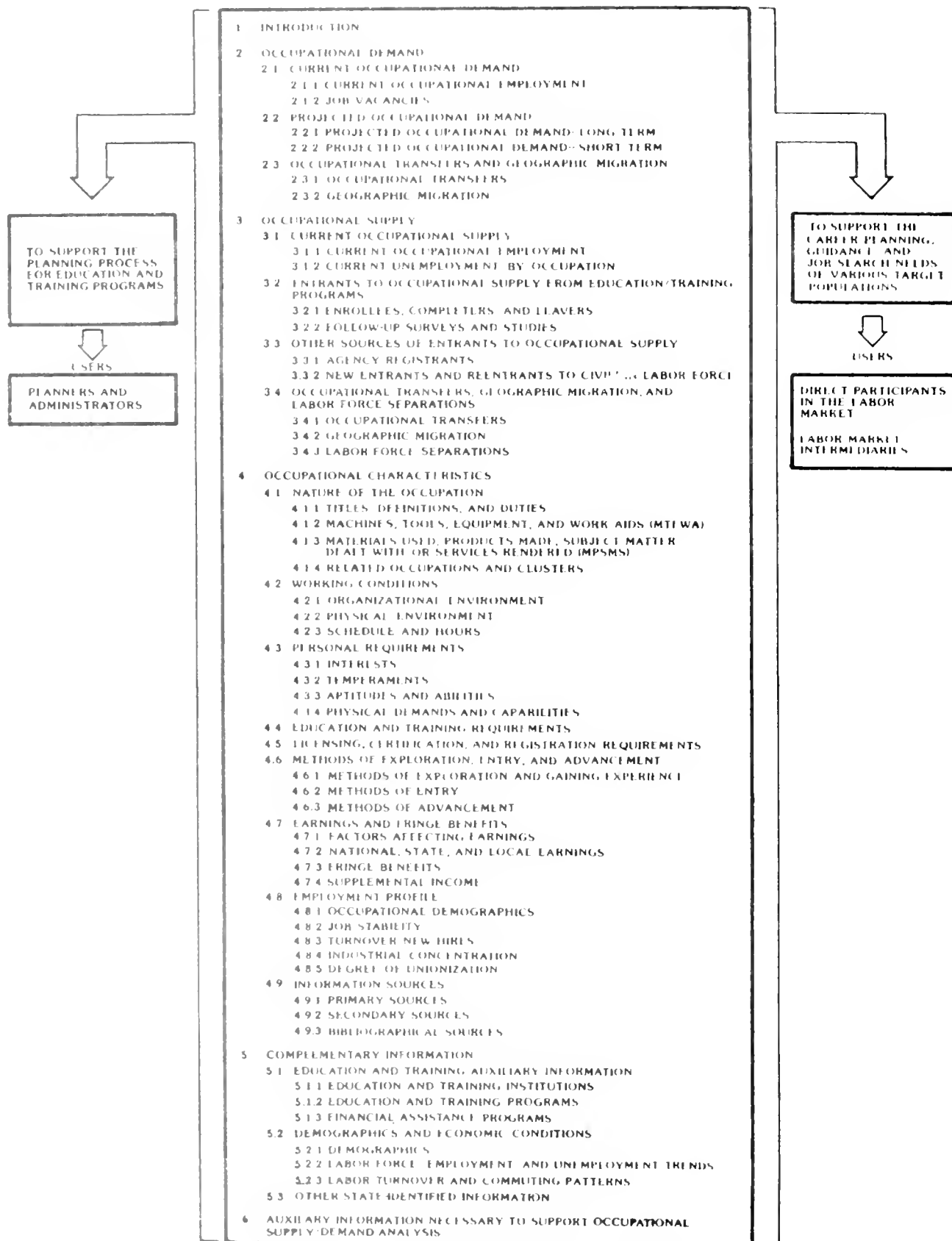
Final recommendations regarding planning decisions frequently involve compromises or trade-offs of some kind between competing goals or objectives. These can only be made by persons involved with and responsible for administering programs. What an OIS can provide is a common data base for coordinated planning within a State and a way for planners to identify and analyze areas that need attention.

The primary purpose for establishing SOICCs was, and continues to be, the development, implementation and maintenance of a comprehensive occupational information system based on supply (workers) and demand (jobs). These data, in conjunction with data from the Montana Career Information System (MCIS), are used

to support the career planning, guidance, and job search needs of various target populations.

OIS INFORMATION BASE AND THE TWO MAJOR USES OF OCCUPATIONAL INFORMATION

OCCUPATIONAL INFORMATION BASE



MONTANA OCCUPATIONAL INFORMATION SYSTEM

Measures of Supply

| | | | | | | |
|--|---|--|--|---|---|---|
| Public Secondary | Vocational Technical | Higher Education | Proprietary Schools | Vocational Rehabilitation | Employment Training Programs | Job Corps |
| Code-1 | Code-2 | Code-4 | Code-8 | Code-6 | Code-3 | Code-5 |
| Measure: Available for Work | Measure: Program Completers | Measure: Degrees Conferred | Measure: Degrees Conferred and Program Completers | Measure: Program Completers Status > 18 Excluding 30 | Measure: Program Completion Status | Measure: Program Completers |
| Time Period: July-June | Time Period: July-June | Time Period: July-June | Time Period: July-June | Time Period: October - September (FFY) | Time Period: October - September (FFY) | Time Period: October - September (FFY) |
| Coverage: Statewide | Coverage: Statewide | Coverage: Statewide | Coverage: Statewide | Coverage: Statewide | Coverage: Statewide | Coverage: Statewide |
| (6-digit) Classification: Classification of Instructional Programs (CIP) | Classification: Office of Education (OE) 6-Digit Code | (6-digit) Classification: Classification of Instructional Programs (CIP) | Classification: Office of Education(OE) 6-Digit Code | Classification: Dictionary of Occupational Titles(DOT) 9-Digit Code | Classification: Dictionary of Occupational Titles(DOT) 9-Digit Code | Classification: Dictionary of Occupational Titles(DOT) 9-Digit Code |
| Reporting System: Manual | Reporting System: Manual | Reporting System: Mechanized | Reporting System: Manual | Reporting System: Mechanized | Reporting System: Manual | Reporting System: Manual |

Supply Information

Supply is defined as workers. Current Supply is the number of individuals currently employed in a particular occupation, plus the number of individuals qualified and currently seeking employment in Montana in that occupation.

Montana's Occupational Information System (OIS) focuses on those who are trained and available for employment in specific occupations in Montana at given points in time. The Montana Supply/Demand Report is the major product of the Montana SOICC's OIS.

An explanation of all elements contained within that report follows:

Date refers to the date the report was printed; title refers to the name of the report. "AG1-Agriculture Production," refers to a broad description of training programs or occupations related to the cluster title. Montana's OIS currently contains sixty-three (63) of these title assignments which serve as a means of clustering education/training programs with related occupations.

Title reflects the title of the specific training program in relation to the reporting system being used by the reporting agency. Cluster Total refers to the total number of individuals available for work and/or those people who have completed a training/education program. Code refers to the classification system code assignment that each agency reports in. The six-digit code refers to the Classification of Instructional Programs

(CIP) and the nine-digit code refers to the Dictionary of Occupational Title (DOT) code.

The numbers to the right of the aforementioned codes reflect the supply (workers) which is printed in the corresponding supply column.

Public Sec (Sector) refers to the number of high school students who've completed a vocational education training program and are available for work in the State. The limitations* in this reporting focus on duplication. Class-based reporting systems may result in a duplicate program enrollment or completion counts and follow-up data may be based on a limited sample size. A large number of postsecondary (adult) enrollees and completers are already employed full- or part-time while participating in vocational education programs. Therefore, overlap and duplication of counts can occur.

VoEd/Vo Tech (Vocational Education/Vocational Technical) represents program completers from the five (5) Vocational Technical Centers statewide. Again, class-based reporting often results in duplicate program enrollment or completion counts. Follow-up data may be based on a limited sample size, and, a large number of postsecondary (adult) enrollees and completers are employed while learning just as mentioned above.

Higher Ed (Higher Education) lists all degrees conferred from all units of the Montana University System, degrees conferred and program completers from community colleges, and degrees conferred

and certificates awarded from private colleges statewide. Limitations* in this reporting include students who already must be working full- or part-time, comprehensive follow-up data establishes specific relationships between students' academic fields and the occupations they eventually enter is not available, and non-accredited colleges and universities are excluded from reporting systems. Supply information here reflects only the actual number of degrees and certificates awarded. The new Classification of Instructional Program (CIP) codes enhance the report because the coding structure is more specific in its relationship between training programs and occupations.

Prop Schools (Proprietary Schools) includes program completers from cosmetology, barber, real estate preparation, and income tax preparation, etc. schools statewide. The limitations* in this reporting include the fact that the National Center for Education Statistics (NCES) only surveys these schools on a biennial basis. However, the Montana Career Information System (MCIS) elected to gather this information included in this report for this particular period since NCES did not survey. The Montana SOICC cooperated both with NCES and MCIS in data gatherings and was able to obtain NCES data much sooner than otherwise normally possible because of the cooperation. CETA clients and VoRehab clients enrolled in postsecondary career school programs are counted in their respective management information systems as

well as by NCES' survey. Unfortunately, those individuals are counted twice in the report's supply data.

VocRehab (Vocational Rehabilitation) refers to program completers who have been trained with funds provided by Vocational Rehabilitation in the State. Limitations* in these data include that clients of VoRehab may receive services over an extended period of time and their entry into the labor market is not always known. Some clients may not be obtaining specific occupational skills either; some may obtain generic skills that assist in overcoming handicaps. Job restructuring and job tailoring are key ingredients in vocational rehabilitation. After VoRehab training, some clients also receive more training from other agencies, so the potential for duplication of counts exists here.

CETA (Comprehensive Employment and Training Act) was replaced by the Job Training Partnership Act (JTPA) in 1982, however, the data used here was reported prior to JTPA. Therefore this section includes program completers from CETA only. Limitations* within this reporting include the fact that the U.S. Department of Labor does not require detail on training programs and clients, and, some clients are "recycled" through a number of training programs and could be counted several times because data are not available by Social Security number -- only via DOT code. Often, CETA classroom training occurs through the vocational education system. A CETA trainee could potentially be

counted in VEDS reporting thus duplicating the counts of the available labor supply in a given occupation.

Job Corps reflects those completers from one of three Corps training centers statewide. Limitations* in these data include the fact that those enrolled are not counted by their respective home states, to which they are likely to return after receiving training. This limitation restricts the use of these data because of the inability to associate supply data with a specific geographic area or state. Another limitation is that Job Corps centers are not required by any state or federal agency to report completer data. The Montana SOICC obtains the information directly from each center.

* LIMITATION CLARIFICATION: The Montana SOICC seriously studied duplication between reporting agencies. It was determined that the duplication rate for completers was not more than 10%.

Other supply sources not contained in this report, but should be considered when making program training decisions include 1) occupational transfers (those who transfer from one occupation to another), 2) the number of people who migrate in/out of Montana, 3) people who are discharged or have received a retirement from the military, 4) Job Service applicants: Job Service applicants provide a partial measure of the number of individuals seeking work through various employment agencies. Because the appli-

cants are registered with Job Service, this measure of occupational supply covers only public sector agency registrants (for more information on this source of supply, contact the Research and Analysis Bureau, Montana Department of Labor and Industry, Post Office Box 1728, Helena, Montana 59624), and finally, 5) re-entrants to the labor force due to change in economic conditions (displaced workers).

In summary, statewide supply/demand data are extremely useful as a planning and counseling tool. As mentioned within each data reporting source, these data have limitations. Each counselor's and planner's professional judgment, combined with available local data, is paramount in the process. If you encounter problems using this report, contact the Montana SOICC at (406) 444-2741, for further information and explanation.

Demand Information

Demand is defined in this report simply as jobs. The demand portion of this report consists of the following information:

"AG1- Agriculture Production" refers to the cluster that farm, ranch, logging, and wildlife occupations relate to. This same cluster is used (along with others) to aggregate training programs found within the supply report. With the aid of our clustering technique, the Montana SOICC has been able to compare occupations in which people work to the related programs that people are trained in, which ultimately indicates if people are being trained to work in occupations that will continue to exist and/or provide future employment opportunities.

OES Matrix Code (Occupational Employment Statistics) refers to an eight-digit code derived from an OES five-digit survey code, plus a three-digit prefix number, that is usually -- but not always -- compatible with other occupational classification structures.

Current Employment refers to the number of people currently employed in Montana during base year 1982. Projected Employment refers to an estimate of the number of people expected to be employed in the corresponding occupation in 1990. These data are computed by incorporating two factors: 1) openings due to growth or decline in the level of occupational demand, and, 2) replacement demand resulting from labor force separations.

Growth and decline in occupational demand occur because of changes in business/economic conditions and technological advancements. Projections are formulated with procedures established by the U.S. Department of Labor's Bureau of Labor Statistics; projections are later used to convert industry employment (captured via survey) to occupational employment in each industry. Results are totaled across industries to obtain projected employment by occupation.

Average Growth refers to the average annual growth due to business/economic fluctuations and technological advancements.

Average Replacements refers to job openings that occur as individuals leave their respective occupation because of retirement or death. Job openings which occur due to occupational transfers and migration are not incorporated because valid data are not available at this time.

Average Annual Openings is comprised of two components: 1) job openings resulting from industry growth, and, 2) job openings resulting from separation (deaths and retirements). Together, these components achieve total average annual openings by occupation.

Supply contains the cluster total in the supply report. By comparing the cluster total of average annual openings to the supply total, a comparison of the average annual job openings and the number of individuals trained (and are seeking work) in this occupation is achieved. Ultimately, a determination is made to substantiate whether or not training programs should be increased or decreased.

Limitations in OES Data: Occupational employment projections produced by the OES program should not be considered precise measurements but are "best estimates" based on a sample of Montana employers and historical industry employment trends. OES demand data offers users a standard and useful tool for making planning decisions. There is no source of available data that will give users an exact and current picture of occupational demand in their area. Users of demand data should be aware of the following:

- . The data cover non-agricultural wage and salaried workers only (not agriculture or self-employed workers);
- . Staffing patterns are based on statewide data and do not reflect possible variations from area to area of the state;
- . Data are estimated, based on past trends, and therefore cannot predict unusual current or future economic conditions, or capture new occupations;
- . Data should be used as estimates, not as exact figures for a particular point in time for the state; and,
- . Average annual openings reflect growth and replacement, not current openings due to turnover and mobility.

Further OES Information

Montana's 1990 industry/occupation projections were produced to provide reliable estimates of occupational demand. The projections were produced using a matrix based on the Occupational Employment Statistics (OES) survey. Prior to last year, the projections were generated using 1980 census-based matrix. The OES survey-based matrix is more accurate, as well as reliable, because it deals with employers rather than households.

There are three major components to the Occupational Employment Statistics program:

- (1) Survey of non-farm wage and salary employment
- (2) Industry/Occupation matrix of staffing patterns
- (3) Projections

The OES survey involves a periodic mailing of survey forms to non-agricultural employers. This is done in a three year cycle. Different major industries are surveyed each year so that the entire sample is completed every three years.

The matrix is a model representing the occupational staffing patterns of each industry. The staffing patterns are based on the result of the OES survey. An important function of the matrix is that it shows where people work (industries) and what they do (occupations).

The third component of the program is the projections, which is the primary goal of the OES program. There are three elements of the projections: industry projections, occupation projections, and job openings. Job openings are made up of openings due to growth and openings due to separations from the labor force.

The projections show what is likely to happen barring major changes from past trends. The major economic assumptions used by the U.S. Bureau of Labor Statistics have been observed in these projections.

The assumptions are as follows:

- (1) The institutional framework of our economy will not change radically;
- (2) There will be no major events such as a widespread, long-lasting energy shortage or a war which would alter significantly the industrial structure of our economy or the rate of economic growth; and,
- (3) Current technological, scientific, and social trends, such as values placed on work, education, income and leisure, will continue.

This projection information can help us look into the future with some confidence. It is necessary to match individuals and jobs to decrease unemployment and increase job satisfaction; this could also benefit the business community and taxpayers. Through the use of the information provided, better decisions can be made for the future by having a more realistic knowledge of Montana's employment trends.

MONTANA OCCUPATIONAL AND EDUCATION/TRAINING
PROGRAM CLUSTERS

CLUSTER LIST

Agriculture Cluster

AG1 Agriculture Production
AG2 Agriculture Business
AG3 Agriculture Mechanics
AG4 Horticulture and Landscaping
AG5 Forestry
AG6 Fish and Wildlife

Graphic Arts and Fine Arts Cluster

GX1 Advertising and Writing
GX2 Drafting
GX3 Commercial Art and Fine Arts
GX4 Printing and Graphic Arts

Health Cluster

HE 1 Medical Records
HE 2 Dental Assisting
HE 3 Dental Hygiene
HE 4 Medical Laboratory
HE 5 Licensed Practical Nurse
HE 6 Medical Nursing Assistant
HE 7 Treatment Services
HE 8 Radiologic Technician
HE 9 Registered Nurse
HE10 Physician

Liberal Arts and Languages Cluster

LA1 Liberal Arts and Foreign Languages
LA2 History, Philosophy, and Social Sciences

Marketing Cluster

MK1 Real Estate Marketing
MK2 Marketing Management
MK3 Retail Marketing and Manufacturing
MK4 Recreation and Tourism
MK5 Insurance

Office Cluster

OF1 Bookkeeping and Accounting
OF2 Clerical Office Practice
OF3 Communications
OF4 Personnel, Labor Relations, and Law
OF5 Secretarial Office Practice
OF6 Office Management
OF7 Key Entry
OF8 Computer Science

Public Service Cluster

PS1 Emergency Medical Technician
PS2 Fire and Fire Safety
PS3 Police Science and Criminology

Skill Cluster

SK1 Electrical
SK2 Electronic
SK3 Air Conditioning and Refrigeration
SK4 Welding
SK5 Carpentry and Construction Trades
SK6 Heavy Equipment Mechanics and Operators
SK7 Automotive and Engine Mechanics
SK8 Machine Shop
SK9 Metalworking

Service Cluster

SV1 Institutional & Building Service
SV2 Vehicle Operators and Cleaners
SV3 Barbering
SV4 Cosmetology
SV5 Child Care Services and Teaching
SV6 Food Production, Management, and Services
SV7 Funeral Services

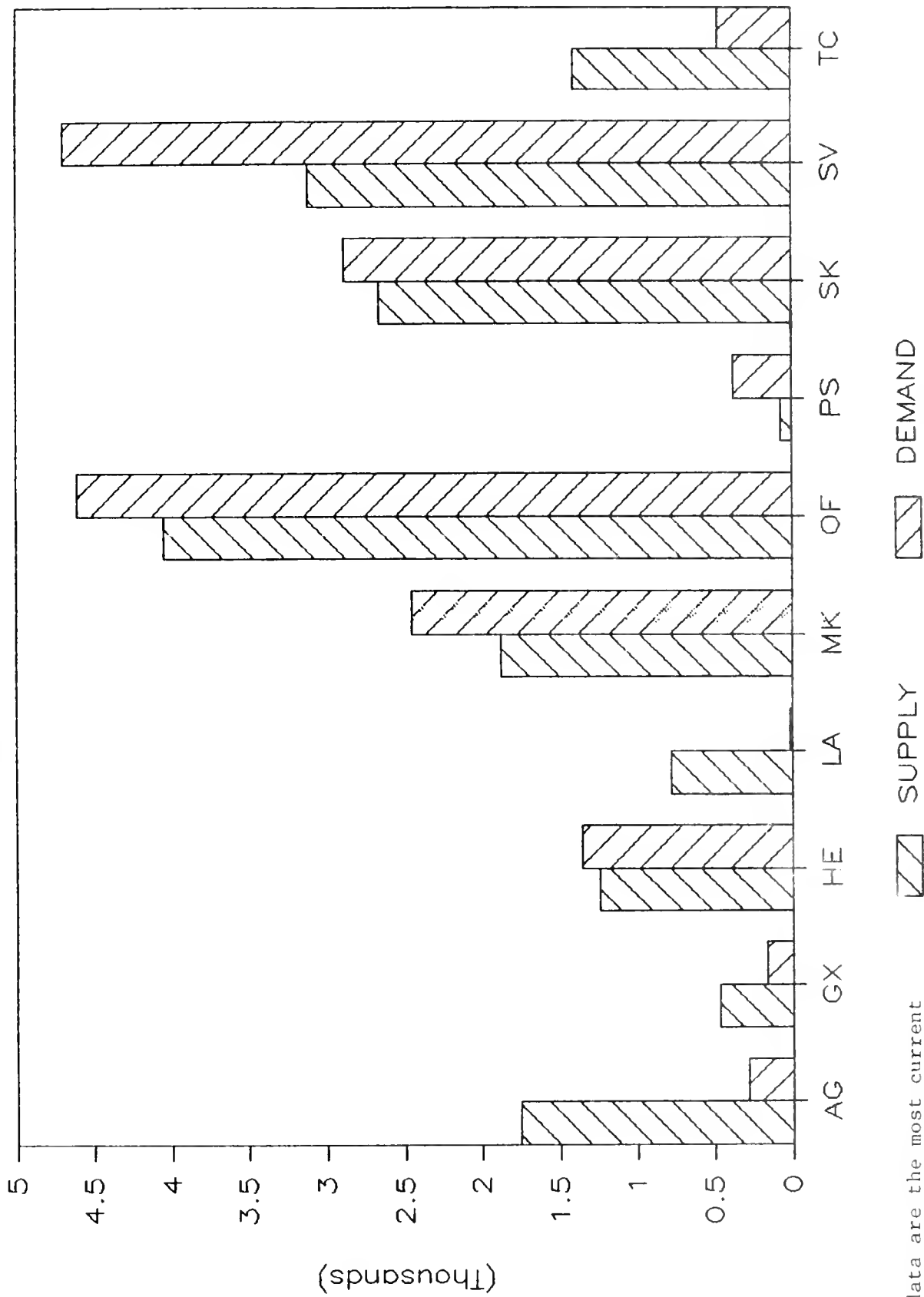
Technology Cluster

TC1 Power Station Operators
TC2 Civil Technology and Math Science
TC3 Chemical Technology
TC4 Environmental Control Technology
TC5 Mechanical Technology
TC6 Instrument Technology
TC7 Textile Technology
TC8 Commercial Aviation
TC9 Industrial Engineering

NOTE: Occupational demand, supply, and characteristics are related to each other by organizing them into clusters. A cluster is defined as "the grouping of education/training programs that have common curricula and occupational objectives coupled with the occupations that can be entered as an outcome of the training." Data are therefore presented via cluster in this report.

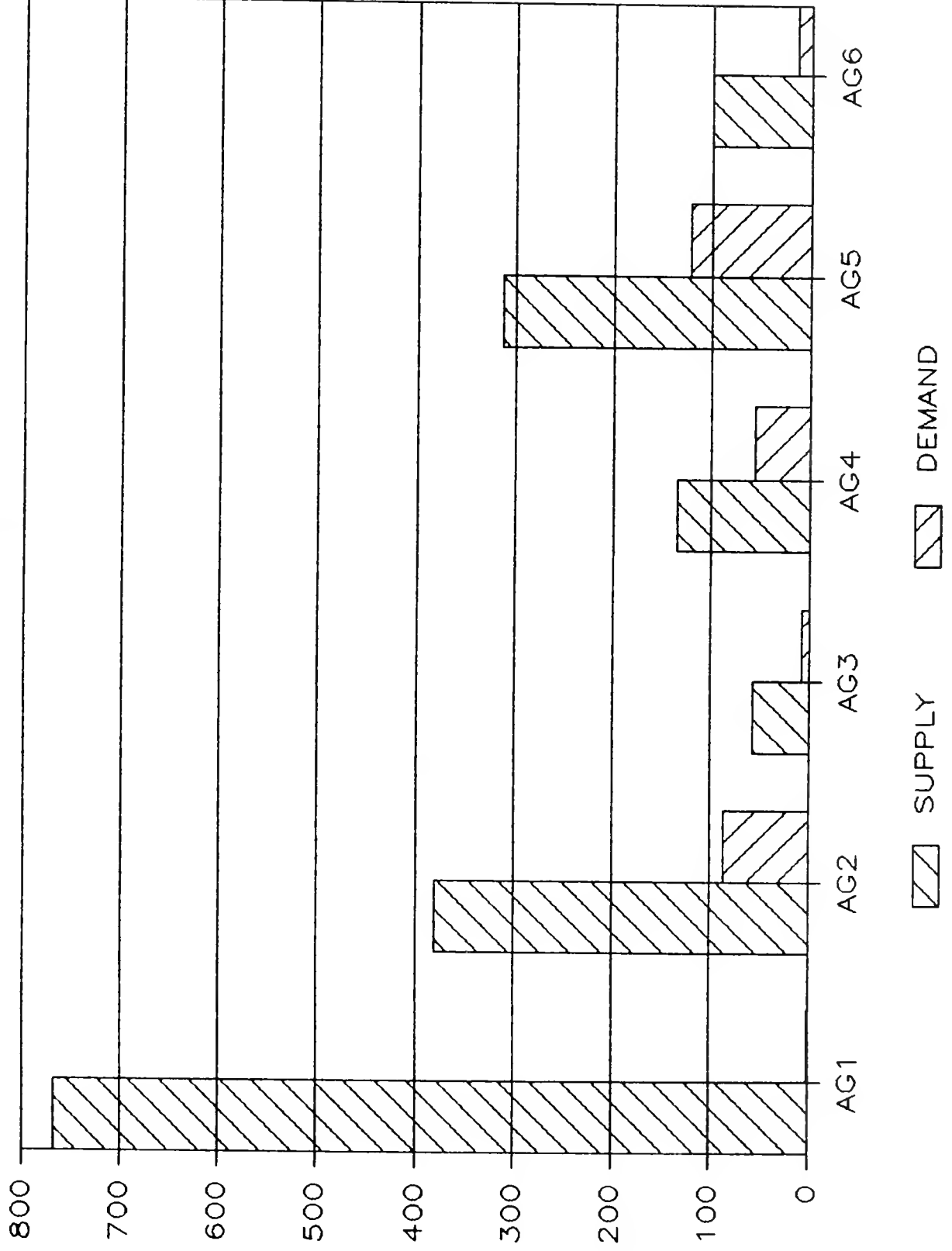
1982-1983* MONTANA O.I.S.

OCCUPATIONAL AND EDUCATIONAL CLUSTERS



*82-83 data are the most current available for this 84 report.

AGRICULTURE



-----S U P P L Y S O U R C E S-----|

AG1-AGRICULTURE PRODUCTION

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| AGRICULTURE PRODUCTION | 01.0301 | 563 | | | | | | | 563 |
| AGRICULTURAL TECHNOLOGIES | 01.9999 | | | 16 | | | | | 16 |
| BOTANY, GENERAL | 26.0301 | | | 12 | | | | | 12 |
| PLANT PATHOLOGY | 26.0305 | | | 7 | | | | | 7 |
| BOTANIST | 041.061-038 | | | | | 1 | | | 1 |
| SALES REPRESENTATIVE, ANIMAL-FEED PROD | 272.357-010 | | | | | | | 2 | 2 |
| SALES REPRESENTATIVE, FARM AND GARDEN | 272.357-014 | | | | | 1 | | | 1 |
| FARMWORKER, GRAIN 1 | 401.683-010 | | | | | 1 | | | 1 |
| FARMER, VINE-FRUIT CROPS | 403.161-014 | | | | | 1 | | | 1 |
| FARMWORKER, LIVESTOCK | 410.664-010 | | | | | 3 | 10 | | 13 |
| FARMWORKER, DAIRY | 410.684-010 | | | | | | 2 | | 2 |
| MILKER, MACHINE | 410.685-010 | | | | | 1 | | | 1 |
| FARMWORKER, GENERAL 1 | 421.683-010 | | | | | | 35 | | 35 |
| FARMWORKER, GENERAL 2 | 421.687-010 | | | | | | 1 | | 1 |
| SUPERVISOR, CHRISTMAS-TREE FARM | 451.137-014 | | | | | 1 | | | 1 |
| DAIRY HELPER | 529.686-026 | | | | | 1 | | | 1 |
| BIN FILLER | 922.687-010 | | | | | | 1 | | 1 |
| MATERIAL HANDLER | 929.687-030 | | | | | 2 | 107 | | 109 |
| CLUSTER TOTAL | | 563 | 0 | 35 | 0 | 12 | 158 | 0 | 768 |

AG1-AGRICULTURE PRODUCTION

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22224305 | AGRICULTURAL & FOOD SCIENTIST | * | | | | | |
| 66979011 | GRADERS & SORTERS: AGRICULTUR | 18 | 20 | | 1 | 1 | |
| CLUSTER TOTAL | | 18 | 20 | | 1 | 1 | 768 |

*Note: Some occupations show no statistics in portions of this report. Those occupations can be found in more than one cluster. Please check another appropriate cluster if the detail you seek is not listed.

AG2-AGRICULTURE BUSINESS

|-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| AGRICULTURAL SCIENCES, GENERAL | 02.0101 | | | 101 | | | | | 101 |
| ANIMAL SCIENCES, GENERAL | 02.0201 | | | 5 | | | | | 5 |
| LIVESTOCK | 02.0208 | | | 3 | | | | | 3 |
| AGRONOMY | 02.0402 | | | 11 | | | | | 11 |
| RANGE MANAGEMENT | 02.0409 | | | 6 | | | | | 6 |
| SOIL SCIENCES, GENERAL | 02.0501 | | | 5 | | | | | 5 |
| AUCTIONEERING | 08.0701 | | | | 165 | | | | 165 |
| PRE-VETERINARY | 18.2001 | | | 3 | | | | | 3 |
| BOTANY, GENERAL | 26.0301 | | | | | | | | |
| ENTOMOLOGY | 26.0702 | | | 1 | | | | | 1 |
| RANGE MANAGER | 040.061-046 | | | | | 1 | 1 | | 2 |
| SOIL CONSERVATIONIST | 040.061-054 | | | | | | | | |
| SEED ANALYST | 040.361-014 | | | | | 1 | | | 1 |
| BOTANIST | 041.061-038 | | | | | | | | |
| LABORATORY TECHNICIAN, VETERINARY | 073.361-010 | | | | | | 1 | | 1 |
| COUNTY-AGRICULTURAL AGENT | 096.127-010 | | | | | 1 | | | 1 |
| EXTENSION SERVICE SPECIALIST | 096.127-014 | | | | | 1 | | | 1 |
| PRODUCTION SUPERINTENDENT | 183.117-014 | | | | | 1 | 1 | | 2 |
| GENERAL SUPERINTENDENT, MILLING | 183.167-014 | | | | | | 1 | | 1 |
| ANIMAL-HOSPITAL CLERK | 245.367-010 | | | | | | 1 | | 1 |
| SUPERVISOR, AREA (Agri) | 401.137-010 | | | | | 1 | | | 1 |
| FARM-MACHINE OPERATOR | 409.683-010 | | | | | | | | |
| FARM-MACHINE TENDER | 409.685-010 | | | | | | | 2 | 2 |
| FARMWORKER, MACHINE | 409.686-010 | | | | | | | | |

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

AG2-AGRICULTURE BUSINESS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BARN BOSS | 410.131-010 | | | | | 1 | | | 1 |
| LIVESTOCK RANCHER | 410.161-018 | | | | | | 1 | | 1 |
| ANIMAL CARETAKER | 410.674-010 | | | | | 2 | 10 | | 12 |
| FARMWORKER, DAIRY | 410.684-010 | | | | | | | | |
| HORSESHOER | 418.381-010 | | | | | 1 | 1 | | 2 |
| HORSE TRAINER | 419.224-010 | | | | | | 1 | | 1 |
| FARMWORKER, GENERAL 2 | 421.687-010 | | | | | | | | |
| SORTER, AGRICULTURAL PRODUCE | 529.687-186 | | | | | | 4 | | 4 |
| FENCE ERECTOR | 869.684-022 | | | | | | 7 | | 7 |
| LABORER, STORES | 922.687-058 | | | | | | 38 | | 38 |
| LABORER, HIGH-DENSITY PRESS | 929.687-018 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 135 | 165 | 10 | 70 | 0 | 380 |

09/26/84

MONTANA D E M A N D R E P O R T

AG2-AGRICULTURE BUSINESS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22224305 | AGRICULTURAL & FOOD SCIENTIST | 244 | 275 | 4 | 8 | 12 | |
| 22224502 | BIOLOGICAL, AGR., FOOD TECHN. | 1,557 | 1,706 | 19 | 52 | 71 | |
| 22631323 | FARM & HOME MANAGEMENT ADVISO | 39 | 44 | 1 | 1 | 2 | |
| 22732114 | VETERINARIANS, VET. INSPECTOR | 31 | 34 | | 1 | 1 | |
| CLUSTER TOTAL | | 1,871 | 2,059 | 24 | 62 | 86 | 380 |

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

AG3-AGRICULTURE MECHANICS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| AGRICULTURE MECHANICS, GENERAL | 01.0201 | | | | | | | | |
| AGRICULTURAL MECHANICS, GENERAL | 01.0201 | | | 4 | | | | | 4 |
| AGRICULTURE POWER MACHINERY | 01.0204 | | 21 | | | | | | 21 |
| AGRICULTURAL ENGINEERING | 14.0301 | | | 9 | | | | | 9 |
| FARMWORKER, GRAIN 1 | 401.683-010 | | | | | | | | |
| FARM-MACHINE OPERATOR | 409.683-010 | | | | | | 3 | | 3 |
| FARMWORKER, MACHINE | 409.686-010 | | | | | | 1 | | 1 |
| SUPERVISOR, FARM-EQUIPMENT MAINTENANCE | 624.131-010 | | | | | 1 | | | 1 |
| FARM-EQUIPMENT MECHANIC 1 | 624.281-010 | | | | | | 1 | | 1 |
| FARM-EQUIPMENT-MECHANIC APPRENTICE | 624.281-014 | | | | | | 1 | | 1 |
| INSPECTOR AND TESTER | 624.361-010 | | | | | | 1 | | 1 |
| SPRINKLER-IRRIGATION-EQUIPMENT MECHANIC | 624.361-014 | | | | | | 1 | | 1 |
| FARM-EQUIPMENT MECHANIC 2 | 624.381-014 | | | | | | 1 | | 1 |
| FARM-MACHINERY SET-UP MECHANIC | 624.381-018 | | | | | | 2 | | 2 |
| MAINTENANCE MECHANIC | 638.281-014 | | | | | 1 | 10 | | 11 |
| CLUSTER TOTAL | | 0 | 21 | 13 | 0 | 2 | 21 | 0 | 57 |

AC3-AGRICULTURE MECHANICS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|--------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122123 | AGRICULTURAL ENGINEERS | 17 | 30 | 2 | 1 | 3 | |
| 77285321 | FARM EQUIPMENT MECHANICS | 58 | 75 | 2 | 2 | 4 | |
| CLUSTER TOTAL | | 75 | 105 | 4 | 3 | 7 | 57 |

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AG4-HORTICULTURE & LANDSCAPING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| FLORICULTURE | 01.0603 | | | | 28 | | | | 28 |
| HORTICULTURIST | 040.061-038 | | | | | 1 | | | 1 |
| FLORAL DESIGNER | 142.081-010 | | | | | 3 | | | 3 |
| YARD WORKER | 301.687-018 | | | | | | 8 | | 8 |
| HORTICULTURAL-SPECIALTY GROWER, FIELD | 405.161-014 | | | | | | 1 | | 1 |
| HORTICULTURAL-SPECIALTY GROWER, INSIDE | 405.161-018 | | | | | | 3 | | 3 |
| HORTICULTURAL WORKER 1 | 405.684-014 | | | | | | 1 | | 1 |
| HORTICULTURAL WORKER 2 | 405.687-014 | | | | | | 3 | | 3 |
| GREENSKEEPER 2 | 406.683-010 | | | | | | 3 | | 3 |
| GROUNDSKEEPER, INDUSTRIAL-COMMERCIAL | 406.684-014 | | | | | 2 | 25 | | 27 |
| GROUNDSKEEPER, PARKS AND GROUNDS | 406.687-010 | | | | | | 46 | | 46 |
| LANDSCAPE GARDENER | 408.161-010 | | | | | | 7 | | 7 |
| TREE SURGEON | 408.181-010 | | | | | | 2 | | 2 |
| WEED INSPECTOR | 408.381-014 | | | | | 1 | | | 1 |
| LABORER, LANDSCAPE | 408.687-014 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 0 | 28 | 7 | 100 | 0 | 135 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AC5-FORESTRY LOGGING & LUMBER

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| FOREST PRODUCTION | 03.0402 | 21 | | | | | | | 21 |
| FORESTRY AND RELATED SCIENCES, GENERAL | 03.0501 | | | 33 | | | | | 33 |
| FOREST TECHNOLOGY | 03.0501 | | 1 | | | | | | 1 |
| FORESTRY SCIENCE | 03.0502 | | | 3 | | | | | 3 |
| FOREST MANAGEMENT | 03.0506 | | | 61 | | | | | 61 |
| FORESTRY & RELATED SERVICES, OTHER | 03.0599 | | | 8 | | | | | 8 |
| FORESTER | 040.061-034 | | | | | 1 | 1 | | 2 |
| SOIL CONSERVATIONIST | 040.061-054 | | | | | 1 | 1 | | 2 |
| SOIL SCIENTIST | 040.061-058 | | | | | | 1 | | 1 |
| FOREST NURSERY SUPERVISOR | 451.137-010 | | | | | | 1 | | 1 |
| FORESTER AIDE | 452.364-010 | | | | | 3 | 58 | 4 | 65 |
| FOREST WORKER | 452.687-010 | | | | | 1 | 20 | | 21 |
| SUPERVISOR, FELLING-BUCKING | 454.134-010 | | | | | 1 | | | 1 |
| FALLER 1 | 454.384-010 | | | | | | 14 | | 14 |
| FALLER 2 | 454.684-014 | | | | | | 1 | | 1 |
| LOGGER, ALL-ROUND | 454.684-018 | | | | | | 14 | | 14 |
| CHAINSAW OPERATOR | 454.687-010 | | | | | | 3 | | 3 |
| LOG SCALER | 455.487-010 | | | | | | 3 | | 3 |
| CRUISER | 459.387-010 | | | | | | 1 | | 1 |
| HOT-PLATE-PLYWOOD-PRESS OPERATOR | 569.685-054 | | | | | | 1 | | 1 |
| STOCK GRADER | 667.382-010 | | | | | | 1 | | 1 |
| LOG-CUT-OFF SAWYER, AUTOMATIC | 667.482-010 | | | | | | 2 | | 2 |
| TRIMMER SAWYER | 667.482-022 | | | | | | 3 | | 3 |
| HEAD SAWYER | 667.662-010 | | | | | | 2 | | 2 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AG5-FORESTRY LOGGING & LUMBER

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BAND-SCROLL-SAW OPERATOR | 667.682-010 | | | | | | 1 | | 1 |
| EDGER, AUTOMATIC | 667.682-026 | | | | | | 1 | | 1 |
| HEAD SAWYER, AUTOMATIC | 667.682-034 | | | | | | 2 | | 2 |
| VARIETY-SAW OPERATOR | 667.682-086 | | | | | | 1 | | 1 |
| BAND-SAW OPERATOR | 667.685-014 | | | | | | 1 | | 1 |
| SAWMILL WORKER | 667.686-014 | | | | | 1 | 24 | | 25 |
| LOG INSPECTOR | 667.687-014 | | | | | | 13 | | 13 |
| MACHINE SETTER | 669.280-010 | | | | | | 2 | | 2 |
| CHAIN OFFBEARER | 669.686-018 | | | | | 1 | | | 1 |
| YARDING ENGINEER | 921.663-066 | | | | | | | | |
| YARD SUPERVISOR | 929.133-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 21 | 1 | 105 | 0 | 9 | 173 | 4 | 313 |

AC5-FORESTRY LOGGING & LUMBER

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22224302 | FORESTER, CONSERVATION SCIENT | 966 | 1,056 | 11 | 27 | 38 | |
| 66272002 | FIRST LINE SUPERV:AG, FOREST, F | 63 | 83 | 3 | 4 | 7 | |
| 66373002 | FALLERS AND BUCKERS | 383 | 516 | 17 | 11 | 28 | |
| 66373005 | CHOKE SETTERS | 138 | 186 | 6 | 4 | 10 | |
| 66373008 | LOG HANDLING EQUIPMENT OPERAT | 203 | 269 | 8 | 4 | 12 | |
| 66373099 | ALL OTHER TIMBER CUTTING WORK | 7 | 9 | | | | |
| 66979002 | FOREST AND CONSERVATION WORKE | 273 | 285 | 2 | 9 | 11 | |
| 66979008 | LOG GRADERS AND SCALERS | 49 | 66 | 2 | 2 | 4 | |
| 66979999 | AGRIC., FOREST, FISH.(NO DETA | 12 | 32 | 3 | 1 | 4 | |
| 77489308 | WOOD MACHINISTS | 52 | 70 | 2 | 1 | 3 | |
| 77592305 | HEAD SAWYERS | 60 | 80 | 3 | 2 | 5 | |
| CLUSTER TOTAL | | 2,206 | 2,652 | 57 | 65 | 122 | 313 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

AG6-FISH & WILDLIFE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|----------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| RANGE MANAGEMENT | 02.0409 | | | | | | | | |
| WILDLIFE MANAGEMENT | 03.0601 | | | 57 | | | | | 57 |
| ZOOLOGY, GENERAL | 26.0701 | | | 28 | | | | | 28 |
| RANGE MANAGER | 040.061-046 | | | | | | | | |
| TAXIDERMIST | 199.261-010 | | | | | 2 | 3 | | 5 |
| GUIDE, HUNTING AND FISHING | 353.161-010 | | | | | 2 | | | 2 |
| FISH AND GAME WARDEN | 379.167-010 | | | | | 1 | 3 | | 4 |
| WILDLIFE CONTROL AGENT | 379.267-010 | | | | | | 1 | | 1 |
| FUR FARMER | 410.161-014 | | | | | 1 | | | 1 |
| FISH HATCHERY WORKER | 446.684-010 | | | | | | 2 | | 2 |
| CLUSTER TOTAL | | 0 | 0 | 85 | 0 | 6 | 9 | 0 | 100 |

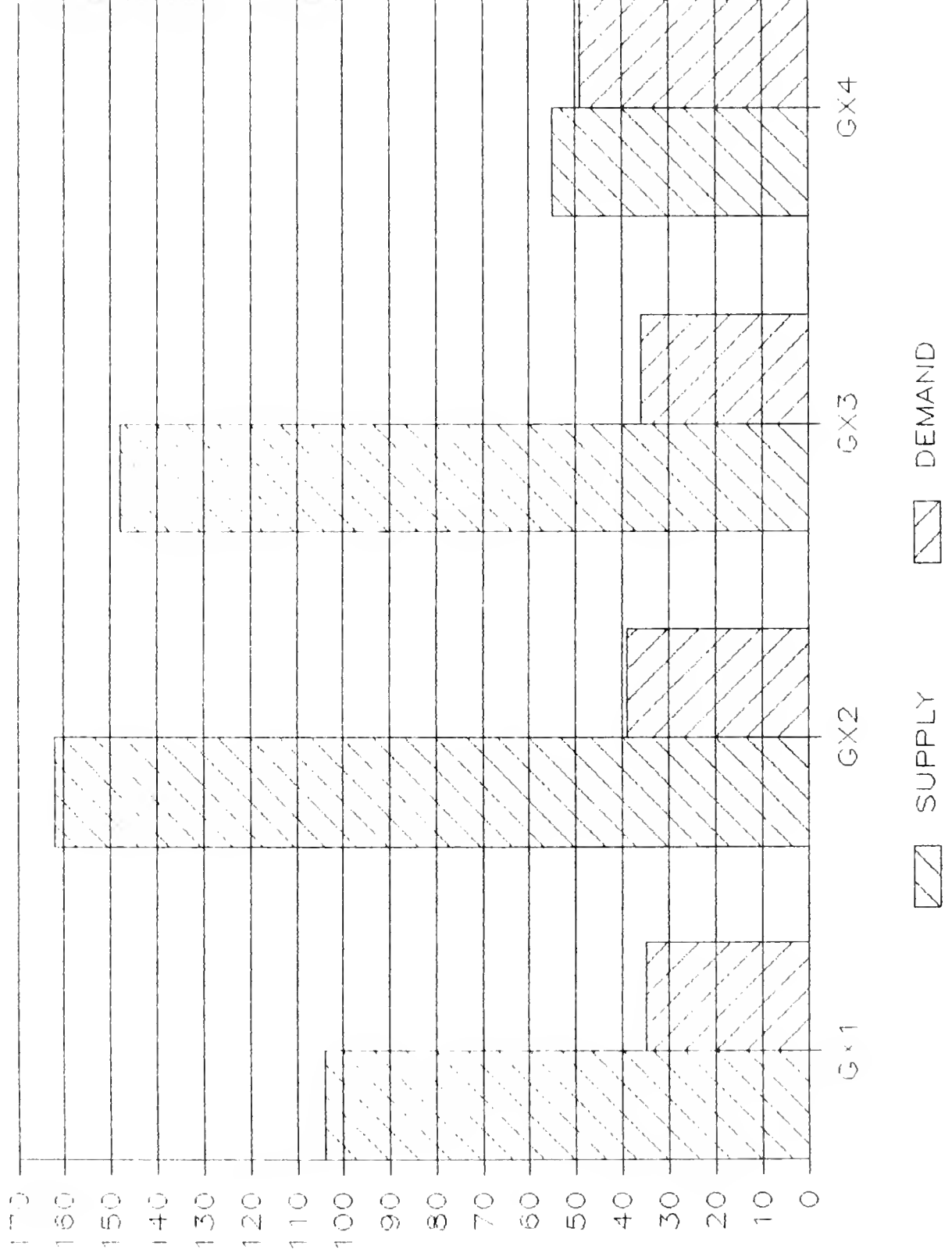
09/26/84

MONTANA D E M A N D R E P O R T

AG6-FISH & WILDLIFE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 55363041 | FISH AND GAME WARDENS | 84 | 87 | | 4 | 4 | |
| 66979017 | ANIMAL CARETAKERS, EXCEPT FAR | 115 | 143 | 4 | 5 | 9 | |
| CLUSTER TOTAL | | 199 | 230 | 4 | 9 | 13 | 100 |

GRAPHIC ARTS



09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

GX1-ADVERTISING & WRITING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| COMMUNICATIONS, GENERAL | 09.0101 | | | 45 | | | | | 45 |
| JOURNALISM | 09.0401 | | | 24 | | | | | 24 |
| CREATIVE WRITING | 23.0501 | | | 14 | | | | | 14 |
| COPY WRITER | 131.067-014 | | | | | 1 | | | 1 |
| WRITER, PROSE, FICTION AND NONFICTION | 131.067-046 | | | | | 3 | | | 3 |
| NEWSWRITER | 131.267-014 | | | | | 2 | | | 2 |
| REPORTER | 131.267-018 | | | | | | 2 | | 2 |
| WRITER, TECHNICAL PUBLICATIONS | 131.267-026 | | | | | 2 | 1 | | 3 |
| INTERPRETER | 137.267-010 | | | | | 1 | | | 1 |
| MUSICIAN, INSTRUMENTAL | 152.041-010 | | | | | | 1 | | 1 |
| MANAGER, ADVERTISING | 164.117-010 | | | | | | 2 | | 2 |
| ACCOUNT EXECUTIVE | 164.167-010 | | | | | 1 | | | 1 |
| PUBLIC-RELATIONS REPRESENTATIVE | 165.067-010 | | | | | 1 | 2 | | 3 |
| SALES REPRESENTATIVE, SIGNS AND DISPLA | 254.257-010 | | | | | | | | |
| LEASING AGENT, OUTDOOR ADVERTISING | 254.357-010 | | | | | 1 | | | 1 |
| SALES REPRESENTATIVE, RADIO AND TELEVI | 259.357-018 | | | | | | | | |
| PROGRAM ASSISTANT | 962.167-014 | | | | | | | | |
| EDITOR, FILM | 962.264-010 | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 83 | 0 | 13 | 8 | 0 | 104 |

09/26/84

MONTANA D E M A N D R E P O R T

GX1-ADVERTISING & WRITING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22834002 | WRITERS AND EDITORS | 277 | 306 | 4 | 10 | 14 | |
| 22834005 | TECHNICAL WRITERS | 13 | 14 | | | | |
| 22834008 | PUBLIC RELATIONS SPECIALISTS | 140 | 160 | 3 | 5 | 8 | |
| 22834011 | REPORTERS AND CORRESPONDENTS | 223 | 237 | 2 | 8 | 10 | |
| 22834014 | BROADCAST NEWS ANALYSTS | 45 | 48 | | 1 | 1 | |
| 22834017 | ANNOUNCERS: RADIO, TELEVISION | | | | | | |
| 22834032 | FILM EDITORS | 1 | 1 | | | | |
| 44353908 | ADVERTISING CLERKS | 45 | 48 | | 2 | 2 | |
| CLUSTER TOTAL | | 744 | 814 | 9 | 26 | 35 | 104 |

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

GX2-DRAFTING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| MECHANICAL DESIGN TECHNOLOGY | 15.0805 | | | 3 | | | | | 3 |
| DRAFTING, GENERAL | 48.0101 | 99 | 22 | | | | | | 121 |
| DRAFTER, ARCHITECTURAL | 001.261-010 | | | | | 4 | 2 | | 6 |
| DRAFTER, ELECTRONIC | 003.281-014 | | | | | 1 | | | 1 |
| DRAFTER, CIVIL | 005.281-010 | | | | | 4 | 3 | | 7 |
| DRAFTER, STRUCTURAL | 005.281-014 | | | | | | 1 | | 1 |
| DIE-DRAWING CHECKER | 007.167-010 | | | | | | | | |
| DRAFTER, MECHANICAL | 007.281-010 | | | | | | 1 | | 1 |
| DRAFTER, GEOLOGICAL | 010.281-014 | | | | | | 1 | | 1 |
| DRAFTER, GEOPHYSICAL | 010.281-018 | | | | | 2 | 2 | | 4 |
| DRAFTER, COMMERCIAL | 017.261-026 | | | | | 5 | 2 | | 7 |
| DRAFTER APPRENTICE | 017.281-014 | | | | | | 1 | | 1 |
| DRAFTER, ASSISTANT | 017.281-018 | | | | | | 1 | | 1 |
| DRAFTER, CARTOGRAPHIC | 018.261-010 | | | | | | 5 | | 5 |
| DRAFTER, TOPOGRAPHICAL | 018.261-014 | | | | | | 3 | | 3 |
| CLUSTER TOTAL | | 99 | 22 | 3 | 0 | 16 | 22 | 0 | 162 |

GX2-DRAFTING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122514 | DRAFTERS | 602 | 744 | 18 | 21 | 39 | |
| CLUSTER TOTAL | | 602 | 744 | 18 | 21 | 39 | 162 |

|-----S U P P L Y S O U R C E S-----|

GX3-COMMERCIAL/FINE ART

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| VISUAL AND PERFORMING ARTS, GENERAL | 50.0101 | | | 69 | | | | | 69 |
| DANCE | 50.0301 | | | 3 | | | | | 3 |
| FINE ARTS, GENERAL | 50.0701 | | | 35 | | | | | 35 |
| MUSIC PERFORMANCE | 50.0903 | | | 10 | | | | | 10 |
| MUSIC THEORY AND COMPOSITION | 50.0904 | | | 1 | | | | | 1 |
| CURATOR | 102.017-010 | | | | | | | 5 | 5 |
| ART CONSERVATOR | 102.167-010 | | | | | | | 1 | 1 |
| GRAPHIC DESIGNER | 141.061-018 | | | | | | | 1 | 1 |
| ILLUSTRATOR | 141.061-022 | | | | | 1 | | 2 | 3 |
| CARTOONIST, MOTION PICTURES | 141.081-010 | | | | | 1 | | | 1 |
| INTERIOR DESIGNER | 142.051-014 | | | | | 2 | | | 2 |
| SET DESIGNER | 142.061-050 | | | | | | | 2 | 2 |
| PHOTOGRAPHER, STILL | 143.062-030 | | | | | | | 1 | 1 |
| INSTRUCTOR, DANCING | 151.027-014 | | | | | | | 1 | 1 |
| DANCER | 151.047-010 | | | | | | | 1 | 1 |
| MUSICIAN, INSTRUMENTAL | 152.041-010 | | | | | 3 | | 2 | 5 |
| PRODUCER | 187.167-174 | | | | | 1 | | | 1 |
| MODEL MAKER, WOOD | 661.380-010 | | | | | | | | |
| PICTURE FRAMER | 739.684-146 | | | | | | | 1 | 1 |
| MOLD MAKER | 777.684-014 | | | | | | | 2 | 2 |
| EDITOR, FILM | 962.264-010 | | | | | 1 | | | 1 |
| SIGN WRITER, HAND | 970.281-022 | | | | | 1 | | | 1 |
| PAINTER, HAND | 970.381-022 | | | | | 1 | | | 1 |

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

GX3-COMMERCIAL/FINE ART

-----S U P P L Y S O U R C E S-----|

| TITLE | | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------|--|------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CLUSTER TOTAL | | | 0 | 0 | 118 | 0 | 11 | 19 | 0 | 148 |

09/26/84

MONTANA D E M A N D R E P O R T

GX3-COMMERCIAL/FINE ART

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22631508 | AUDIO-VISUAL SPECIALISTS | 65 | 72 | 1 | 3 | 4 | |
| 22631511 | CURATORS, ARCHIVISTS, MUSEUM TE | 70 | 83 | 2 | 3 | 5 | |
| 22834026 | TV & MOTION PIC. CAMERA OPERA | 3 | 3 | | | | |
| 22834035 | ARTISTS AND RELATED WORKERS | 106 | 124 | 2 | 4 | 6 | |
| 22834038 | DESIGNERS, EXC. INTERIOR DESI | 224 | 275 | 6 | 6 | 12 | |
| 22834047 | MUSIC: DIRECTOR, SINGER, COMP | 17 | 19 | | 1 | 1 | |
| 22834051 | MUSICIANS, INSTRUMENTAL | 37 | 45 | 1 | 1 | 2 | |
| 22834056 | PRODUCERS, ACTORS, ENTERTAIN | 9 | 11 | | | | |
| 55868032 | WARDROBE ATTENDANTS | 4 | 5 | | | | |
| 77592905 | MOTION PICTURE PROJECTIONISTS | 72 | 76 | 1 | 5 | 6 | |
| CLUSTER TOTAL | | 607 | 713 | 13 | 23 | 36 | 148 |

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

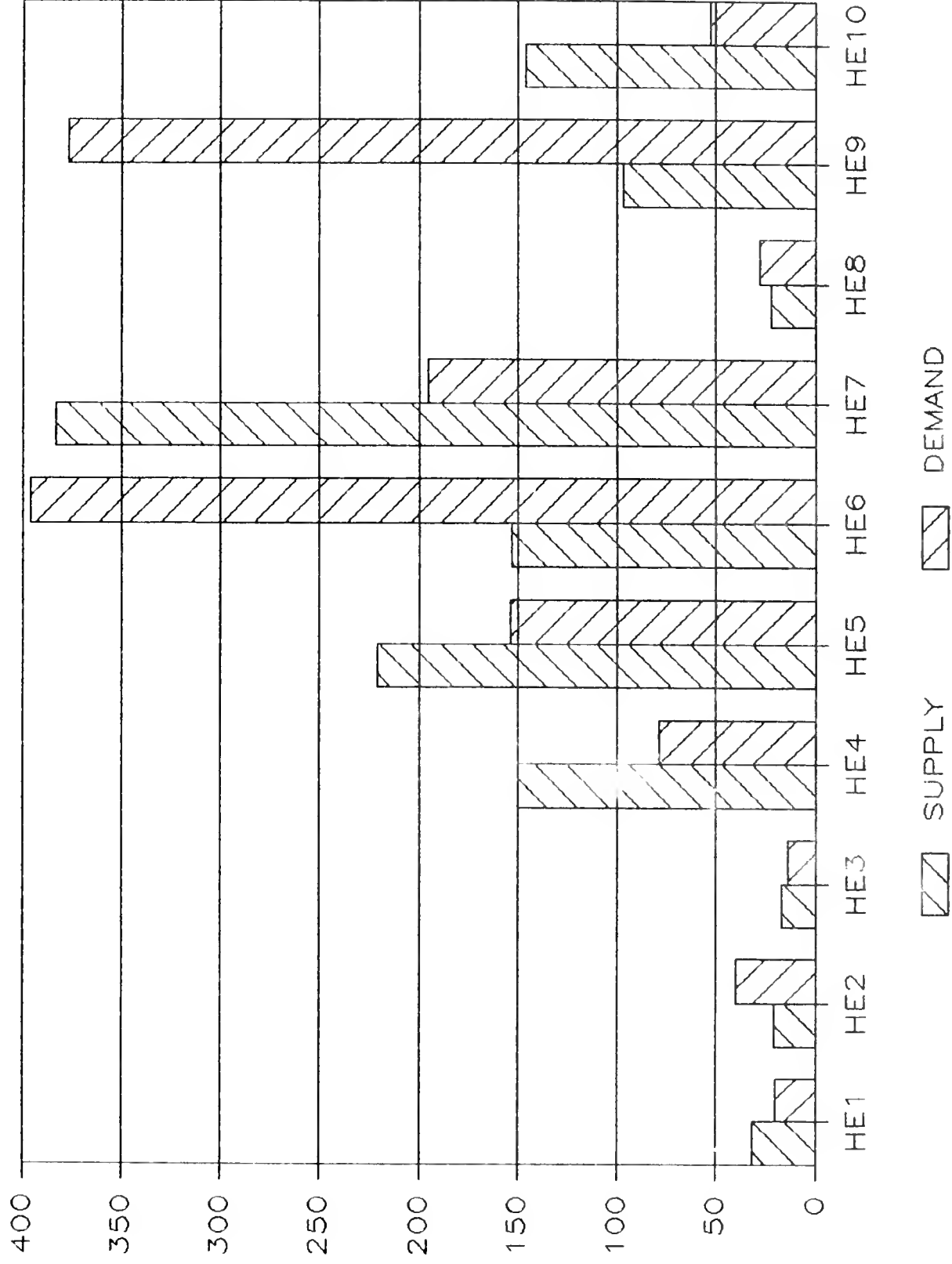
CX4-PRINTING & GRAPHIC ARTS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| GRAPHIC & PRINTING COMMUNICATIONS | 48.0201 | 28 | | | | | | | 28 |
| PHOTOGRAPHER, STILL | 143.062-030 | | | | | | | | |
| ESTIMATOR, PRINTING | 221.367-014 | | | | | | | 1 | 1 |
| PRESS MAINTAINER | 627.281-010 | | | | | | | 1 | 1 |
| WEB-PRESS-OPERATOR APPRENTICE | 651.362-034 | | | | | | | 1 | 1 |
| PRINTER 2 | 651.380-010 | | | | | 1 | | 1 | 2 |
| TAB-CARD-PRESS OPERATOR | 651.382-034 | | | | | | | 1 | 1 |
| OFFSET-PRESS OPERATOR 1 | 651.482-010 | | | | | | 2 | 2 | 2 |
| OFFSET-PRESS-OPERATOR APPRENTICE | 651.482-014 | | | | | | | 1 | 1 |
| DIRECTOR, TECHNICAL | 962.162-010 | | | | | | | 1 | 1 |
| JOB PRINTER | 973.381-018 | | | | | | | 1 | 1 |
| JOB-PRINTER APPRENTICE | 973.381-022 | | | | | | | 1 | 1 |
| MICROFICHE DUPLICATOR | 976.381-014 | | | | | | | 1 | 1 |
| PHOTOGRAPHER HELPER | 976.667-010 | | | | | | 2 | 2 | 2 |
| DEVELOPER | 976.681-010 | | | | | | 5 | 5 | 5 |
| PHOTO CHECKER AND ASSEMBLER | 976.687-014 | | | | | | 1 | 1 | 1 |
| BOOKBINDER | 977.381-010 | | | | | | 1 | 1 | 1 |
| PASTE-UP COPY-CAMERA OPERATOR | 979.381-018 | | | | | | 1 | 1 | 1 |
| MAP-AND-CHART MOUNTER | 979.684-022 | | | | | | 1 | 1 | 1 |
| PRINT-SHOP HELPER | 979.684-026 | | | | | | 3 | 3 | 3 |
| CLUSTER TOTAL | | 28 | 0 | 0 | 0 | 1 | 26 | 0 | 55 |

GX4-PRINTING & GRAPHIC ARTS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22834023 | PHOTOGRAPHERS | 78 | 89 | 1 | 2 | 3 | |
| 44353911 | PROOFREADERS AND COPY MARKERS | 34 | 39 | 1 | 1 | 2 | |
| 44656005 | DUPLICATING MACHINE OPERATORS | 22 | 28 | 1 | 1 | 2 | |
| 77489702 | PRECISION TYPESETTERS | 46 | 49 | | 2 | 2 | |
| 77489705 | JOB PRINTERS | 30 | 32 | | 1 | 1 | |
| 77489708 | PRECISION LITHOGRAPHERS | 48 | 56 | 1 | 1 | 2 | |
| 77489711 | BOOKBINDERS | 33 | 37 | 1 | 1 | 2 | |
| 77489914 | PRECISION PHOTOGRAPHIC PROCES | 63 | 87 | 3 | 2 | 5 | |
| 77592512 | OFFSET LITHOGRAPHIC PRESS SET | 111 | 122 | 1 | 3 | 4 | |
| 77592515 | LETTERPRESS SETTER/OPERATOR | 23 | 25 | | 1 | 1 | |
| 77592519 | ALL OTHER PRINTING PRESS SET/ | 7 | 7 | | | | |
| 77592521 | PHOTOENGRAVING PHOTOGRAPHERS | 25 | 27 | | 1 | 1 | |
| 77592525 | BINDERY MACHINE SETTER/OPERAT | 48 | 54 | 1 | 2 | 3 | |
| 77592529 | ALL OTHER PRINTING SETTER/OPE | 82 | 94 | 2 | 2 | 4 | |
| 77592541 | TYPESETTING MACH. OPERATOR/TE | 73 | 82 | 1 | 2 | 3 | |
| 77592543 | PRINTING PRESS MACHINE OPERAT | 110 | 119 | 1 | 3 | 4 | |
| 77592545 | PHOTOENGRAVING MACHINE OPERAT | 6 | 6 | | | | |
| 77592546 | BINDERY MACHINE OPERATOR | 50 | 55 | 1 | 2 | 3 | |
| 77592549 | OTHER PRINTING MACHINE OPERAT | 52 | 57 | 1 | 1 | 2 | |
| 77592908 | PHOTOGRAPHIC PROCESSING MACH. | 55 | 75 | 3 | 2 | 5 | |
| CLUSTER TOTAL | | 996 | 1,140 | 19 | 30 | 49 | 55 |

HEALTH



09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

HEALTH-MEDICAL RECORDS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| MEDICAL SECRETARIAL | 07.0605 | | 10 | 2 | | | | | 12 |
| MEDICAL RECORDS ADMINISTRATION | 18.0703 | | | 4 | | | | | 4 |
| MEDICAL-RECORD ADMINISTRATOR | 079.167-014 | | | | | 1 | | | 1 |
| MEDICAL SECRETARY | 201.362-014 | | | | | 6 | 4 | | 10 |
| MEDICAL-RECORD CLERK | 245.362-010 | | | | | 2 | | | 2 |
| WARD CLERK | 245.362-014 | | | | | 1 | 2 | | 3 |
| CLUSTER TOTAL | | 0 | 10 | 6 | 0 | 10 | 6 | 0 | 32 |

HET-MEDICAL RECORDS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-----------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22732911 | MEDICAL RECORDS TECHNICIANS | 126 | 157 | 4 | 6 | 10 | |
| 44555105 | MEDICAL SECRETARIES | 133 | 174 | 5 | 5 | 10 | |
| CLUSTER TOTAL | | 259 | 331 | 9 | 11 | 20 | 32 |

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

HE2-DENTAL ASSISTING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| DENTAL ASSISTING | 17.0101 | | 17 | | | | | | 17 |
| DENTAL ASSISTANT | 079.371-010 | | | | | | 4 | | 4 |
| CLUSTER TOTAL | | 0 | 17 | 0 | 0 | 0 | 4 | 0 | 21 |

09/26/84

MONTANA D E M A N D R E P O R T

HE2-OENTAL ASSISTING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 55666002 | DENTAL ASSISTANTS | 558 | 683 | 16 | 22 | 38 | |
| 77489921 | PRECISION DENTAL LABORATORY T | 32 | 41 | 1 | 1 | 2 | |
| CLUSTER TOTAL | | 590 | 724 | 17 | 23 | 40 | 21 |

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

HE3-DENTAL HYGIENE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| DENTAL HYGIENE | 17.0102 | | | 16 | | | | | 16 |
| DENTAL HYGIENIST | 078.361-010 | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 16 | 0 | 1 | 0 | 0 | 17 |

HE3-DENTAL HYGIENE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22732908 | DENTAL HYGIENISTS | 194 | 240 | 6 | 8 | 14 | |
| CLUSTER TOTAL | | 194 | 240 | 6 | 8 | 14 | 17 |

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

HE4-MEDICAL LABORATORY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| MEDICAL LABORATORY TECHNOLOGY | 17.0309 | | | 12 | 10 | | | | 22 |
| MEDICAL TECHNOLOGY | 17.0310 | | | 2 | | | | | 2 |
| BIOLOGY, GENERAL | 26.0101 | | | 112 | | | | | 112 |
| BIOCHEMISTRY | 26.0201 | | | 5 | | | | | 5 |
| BIOLOGIST | 041.061-030 | | | | 1 | | 1 | | 2 |
| MICROBIOLOGIST | 041.061-058 | | | | 1 | | | | 1 |
| BIOLOGY SPECIMEN TECHNICIAN | 041.381-010 | | | | | | 1 | | 1 |
| MEDICAL TECHNOLOGIST | 078.361-014 | | | | 2 | | 1 | | 3 |
| MEDICAL-LABORATORY ASSISTANT | 078.381-010 | | | | | | 2 | | 2 |
| CLUSTER TOTAL | | 0 | 0 | 131 | 10 | 4 | 5 | 0 | 150 |

HE4-MEDICAL LABORATORY

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22224308 | BIOLOGICAL SCIENTISTS | 287 | 315 | 4 | 7 | 11 | |
| 22224599 | PHYS/LIFE SCI. TECHN.(NO DETA | 492 | 572 | 10 | 9 | 19 | |
| 22732902 | MED./CLINICAL LAB. TECHNOLOGI | 526 | 676 | 19 | 17 | 36 | |
| 22732905 | MED./CLINICAL LAB. TECHNICIAN | 122 | 156 | 4 | 4 | 8 | |
| 22732923 | ELECTROENCEPHALOGRAPH TECHN. | 19 | 25 | 1 | 1 | 2 | |
| 22732926 | ELECTROCARDIOGRAPH TECHNICIAN | 48 | 61 | 2 | 1 | 3 | |
| CLUSTER TOTAL | | 1,494 | 1,805 | 40 | 39 | 79 | 150 |

10/05/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983

-----SUPPLY SOURCES-----|

HE5-LICENSED PRACTICAL NURSE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| SURGICAL TECHNOLOGY | 17.0211 | | 15 | | | | | | 15 |
| PRACTICAL NURSING | 17.0605 | | 180 | | | | | | 180 |
| NURSE, LICENSED PRACTICAL | 079.374-014 | | | | | 10 | 9 | | 19 |
| SURGICAL TECHNICIAN | 079.374-022 | | | | | 1 | 1 | | 2 |
| NURSE, PRACTICAL | 354.374-010 | | | | | 4 | 1 | | 5 |
| CLUSTER TOTAL | | 0 | 195 | 0 | 0 | 15 | 11 | 0 | 221 |

10/05/84

MONTANA D E M A N D R E P O R T

HE5-LICENSED PRACTICAL NURSE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22732505 | LICENSED PRACTICAL NURSES | 1,676 | 2,159 | 60 | 82 | 142 | |
| 22732928 | SURGICAL TECHNICIANS | 170 | 222 | 7 | 5 | 12 | |
| CLUSTER TOTAL | | 1,846 | 2,381 | 67 | 87 | 154 | 221 |

10/05/84

M O N F A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983

|-----S U P P L Y S O U R C E S-----|

HE6-MEDICAL NURSING ASSISTANT

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| NURSING ASSISTING | 17.0602 | | 16 | | | | | | 16 |
| MEDICAL ASSISTANT | 079.367-010 | | | | | 2 | | | 2 |
| COORDINATOR, VOLUNTEER SERVICES | 187.167-022 | | | | | 1 | | | 1 |
| COMPANION | 309.677-010 | | | | | 6 | | | 6 |
| HOME ATTENDANT | 354.377-014 | | | | | 2 | | | 4 |
| PSYCHIATRIC AIDE | 355.377-014 | | | | | 1 | 11 | | 12 |
| NURSE AIDE | 355.674-014 | | | | | 7 | 96 | | 103 |
| ORDERLY | 355.674-018 | | | | | 3 | 5 | | 8 |
| HOSPITAL ENTRANCE ATTENDANT | 355.677-014 | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 0 | 16 | 0 | 0 | 14 | 123 | 0 | 153 |

HE6-MEDICAL NURSING ASSISTANT

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|--------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 55666005 | MEDICAL ASSISTANTS | 231 | 278 | 6 | 9 | 15 | |
| 55666008 | NURSING AIDES, ORDERLIES | 4,635 | 5,936 | 163 | 197 | 360 | |
| 55666011 | HOME HEALTH AIDES | 6 | 8 | | | | |
| 55666014 | PSYCHIATRIC AIDES | 247 | 324 | 10 | 11 | 21 | |
| CLUSTER TOTAL | | 5,119 | 6,546 | 179 | 217 | 396 | 153 |

|-----S U P P L Y S O U R C E S-----|

HE7-TREATMENT SERVICES

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| RESPIRATORY THERAPY TECHNOLOGY | 17.0210 | | 24 | | | | | | 24 |
| MENTAL HEALTH/HUMAN SERVICES TECHNOLOG | 17.0406 | | | 18 | | | | | 18 |
| REHABILITATION COUNSELING | 17.0407 | | | 20 | | | | | 20 |
| MENTAL HEALTH/HUMAN SERVICES - OTHER | 17.0499 | | | 1 | | | | | 1 |
| PHYSICAL THERAPY | 17.0813 | | | 18 | | | | | 18 |
| SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY | 17.0821 | | | 22 | | | | | 22 |
| PHARMACY | 18.1401 | | | 38 | | | | | 38 |
| PSYCHOLOGY, GENERAL | 42.0101 | | | 88 | | | | | 88 |
| SOCIAL WORK, GENERAL | 44.0701 | | | 40 | | | | | 40 |
| HUMAN SERVICES | 45.9999 | | | 8 | | | | | 8 |
| BIOMEDICAL ENGINEER | 019.061-010 | | | | | 1 | | | 1 |
| PSYCHOLOGIST, EXPERIMENTAL | 045.061-018 | | | | | 1 | | | 1 |
| COUNSELOR | 045.107-010 | | | | | 23 | 8 | | 31 |
| DIRECTOR OF COUNSELING | 045.107-018 | | | | | 1 | | | 1 |
| PSYCHOLOGIST, CLINICAL | 045.107-022 | | | | | 1 | | | 1 |
| PSYCHOLOGIST, COUNSELING | 045.107-026 | | | | | 1 | | | 1 |
| RESIDENCE COUNSELOR | 045.107-038 | | | | | 1 | | | 1 |
| VOCATIONAL-REHABILITATION COUNSELOR | 045.107-042 | | | | | 4 | 1 | | 5 |
| PHARMACIST | 074.161-010 | | | | | 2 | 1 | | 3 |
| PHYSICAL THERAPIST | 076.121-014 | | | | | 3 | | | 3 |
| DIALYSIS TECHNICIAN | 078.362-014 | | | | | | 1 | | 1 |
| COMMUNITY-SERVICES-AND-HEALTH-EDUCATIO | 079.167-010 | | | | | | 1 | | 1 |
| RESPIRATORY THERAPIST | 079.361-010 | | | | | 8 | 4 | | 12 |
| EDUCATIONAL THERAPIST | 094.227-010 | | | | | 1 | | | 1 |

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

HE7-TREATMENT SERVICES

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| TEACHER, HANDICAPPED STUDENTS | 094.227-018 | | | | | | | | 2 |
| TEACHER, MENTALLY RETARDED | 094.227-022 | | | | | 2 | | | 2 |
| CASEWORKER | 195.107-010 | | | | | 6 | 5 | | 11 |
| SOCIAL WORKER, MEDICAL | 195.107-030 | | | | | 3 | 4 | | 7 |
| SOCIAL WORKER, PSYCHIATRIC | 195.107-034 | | | | | 7 | 6 | | 13 |
| GROUP WORKER | 195.164-010 | | | | | | 4 | | 4 |
| HUMAN RELATIONS OR DRUG AND ALCOHOL CO | 195.267-014 | | | | | 1 | 1 | | 2 |
| PHYSICAL THERAPY AIDE | 355.354-010 | | | | | | 1 | | 1 |
| PROSTHETICS TECHNICIAN | 712.381-038 | | | | | 1 | 1 | | 2 |
| OPTICIAN, DISPENSING 1 | 713.361-014 | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 0 | 24 | 253 | 0 | 67 | 39 | 0 | 383 |

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MONTANA D E M A N D R E P O R T

HE7-TREATMENT SERVICES

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|--------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11515008 | MEDICINE AND HEALTH SERV. MGR | 113 | 148 | 4 | 4 | 8 | |
| 22224399 | LIFE SCIENTISTS (NO DETAIL) | 43 | 52 | 1 | 1 | 2 | |
| 22427302 | MED./PSYCHIATRIC SOCIAL WORKE | 77 | 101 | 3 | 3 | 6 | |
| 22427305 | SOCIAL WORKERS, EXC. MED./PSY | 1,146 | 1,319 | 22 | 41 | 63 | |
| 22631514 | VOCATIONAL AND EDUC. COUNSELO | | | | | | |
| 22732199 | HEALTH PRACTITIONERS (NO DETA | 22 | 27 | 1 | 2 | 3 | |
| 22732302 | RESPIRATORY THERAPISTS | 217 | 282 | 8 | 8 | 16 | |
| 22732305 | OCCUPATIONAL THERAPISTS | 38 | 50 | 2 | 1 | 3 | |
| 22732308 | PHYSICAL THERAPISTS | 110 | 142 | 4 | 4 | 8 | |
| 22732311 | CORRECTIVE, RECREATION THERAPI | 42 | 53 | 1 | 1 | 2 | |
| 22732314 | SPEECH PATHOLOGISTS, AUDIOLOGI | 211 | 244 | 4 | 7 | 11 | |
| 22732399 | THERAPISTS (NO DETAIL) | 96 | 123 | 3 | 3 | 6 | |
| 22732517 | PHARMACISTS | 385 | 484 | 12 | 23 | 35 | |
| 22732523 | DIETETIC TECHNICIANS | 36 | 47 | 1 | 1 | 2 | |
| 22732999 | OTHER HEALTH PROFESSIONALS, TE | 224 | 258 | 4 | 7 | 11 | |
| 55666017 | PHYSICAL THERAPY ASSISTANTS | 79 | 105 | 3 | 3 | 6 | |
| 55666021 | OCCUPATIONAL THERAPY ASSISTANT | 27 | 35 | 1 | 1 | 2 | |
| 55666026 | PHARMACY ASSISTANTS | 58 | 74 | 2 | 3 | 5 | |
| 55666099 | HEALTH SERVICE WORKER(NO DETA | 84 | 110 | 3 | 3 | 6 | |
| CLUSTER TOTAL | | 3,008 | 3,654 | 79 | 116 | 195 | 383 |

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

HES-RADIOLOGIC TECHNICIAN

| ----- | | | | | | | | | | | SUPPLY | |
|-------------------------------|---------|---------------|------------------|---------------|------------------|--------------|------|--------------|--|--|--------|--|
| ----- | | | | | | | | | | | TOTALS | |
| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | | | | |
| ----- | | | | | | | | | | | ----- | |
| RADIOGRAPH MEDICAL TECHNOLOGY | 17.0209 | | | | 22 | | | | | | 22 | |
| CLUSTER TOTAL | | 0 | 0 | 0 | 22 | 0 | 0 | 0 | | | 22 | |

09/26/84

MONTANA D E M A N D R E P O R T

HE8-RADIOLOGIC TECHNICIAN

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22732914 | NUCLEAR MED. & RADIOLOGIC TEC | 408 | 516 | 14 | 14 | 28 | |
| CLUSTER TOTAL | | 408 | 516 | 14 | 14 | 28 | 22 |

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

HE9-REGISTERED NURSE

|-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| NURSING, GENERAL | 18.1101 | | | 71 | | | | | 71 |
| DIRECTOR, NURSING SERVICE | 075.117-022 | | | | | | 1 | | 1 |
| NURSE, SCHOOL | 075.124-010 | | | | | 1 | | | 1 |
| NURSE, STAFF, COMMUNITY HEALTH | 075.124-014 | | | | | 1 | | | 1 |
| NURSE, CONSULTANT | 075.127-014 | | | | | 1 | | | 1 |
| NURSE, HEAD | 075.127-018 | | | | | 1 | | | 1 |
| NURSE PRACTITIONER | 075.264-010 | | | | | 1 | | | 1 |
| NURSE, GENERAL DUTY | 075.374-010 | | | | | 11 | 8 | | 19 |
| NURSE, PRIVATE DUTY | 075.374-018 | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 71 | 0 | 17 | 9 | 0 | 97 |

09/26/84

MONTANA D E M A N D R E P O R T

HE9-REGISTERED NURSE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22631114 | NURSING INSTRUCTORS | 24 | 31 | 1 | 1 | 2 | |
| 22732502 | REGISTERED NURSES | 4,743 | 6,075 | 167 | 208 | 375 | |
| CLUSTER TOTAL | | 4,767 | 6,106 | 168 | 209 | 377 | 97 |

-----S U P P L Y S O U R C E S-----|

HE10-PHYSICIAN

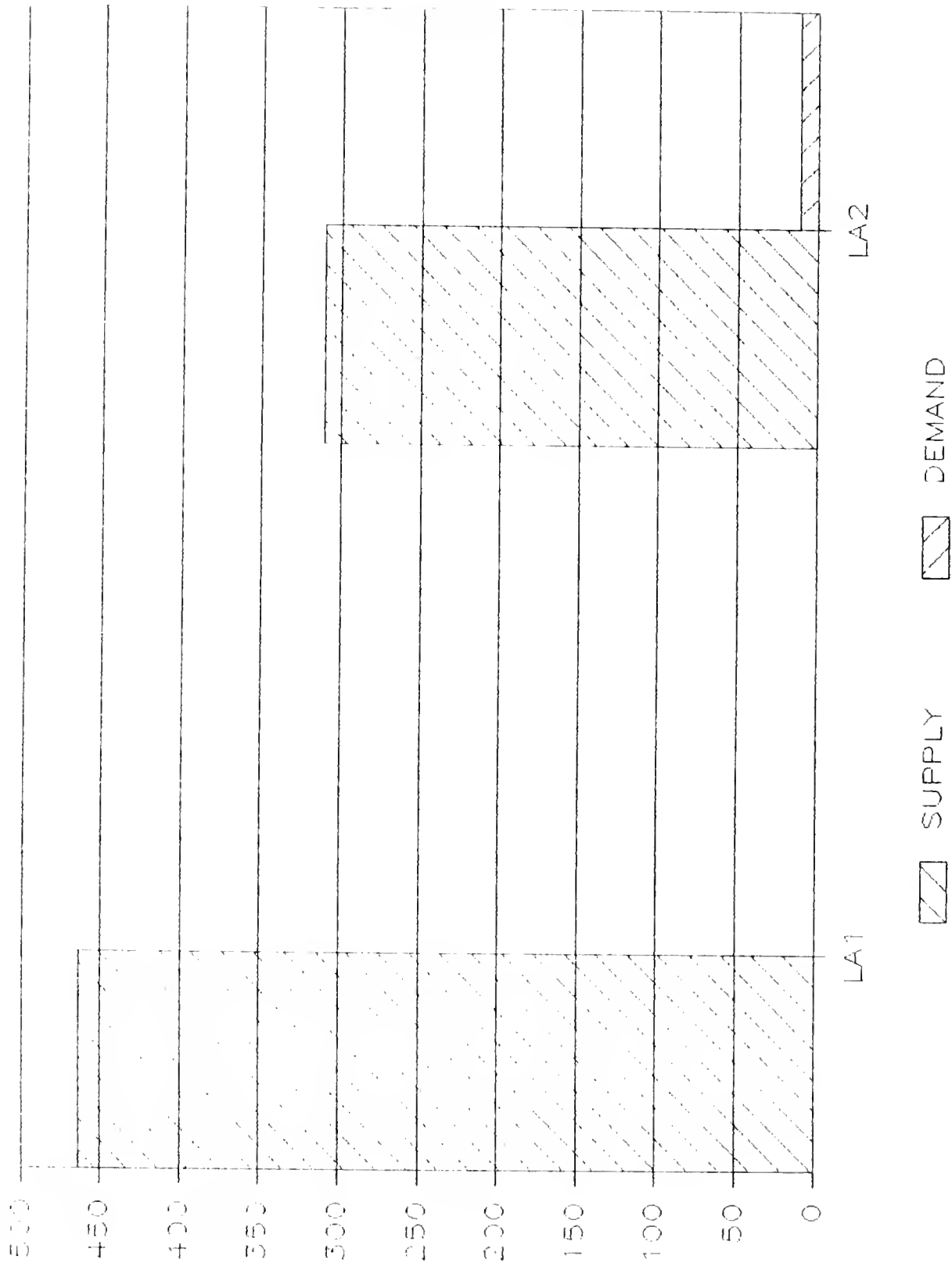
| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| MEDICINE, OTHER | 18.1099 | | | 144 | | | | | 144 |
| PHYSICIAN, HEAD | 070.101-074 | | | | | 1 | | | 1 |
| DENTIST | 072.101-010 | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 144 | 0 | 2 | 0 | 0 | 146 |

PHYSICIAN

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22427108 | PSYCHOLOGISTS | 211 | 265 | 7 | 5 | 12 | |
| 22732102 | PHYSICIANS AND SURGEONS * | 634 | 773 | 17 | 10 | 27 | |
| 22732105 | DENTISTS | 207 | 257 | 6 | 4 | 10 | |
| 22732108 | OPTOMETRISTS | 14 | 18 | 1 | 1 | 2 | |
| 22732111 | PODIATRISTS | 8 | 10 | | | | |
| 22732511 | PHYSICIAN'S ASSISTANTS | 17 | 21 | 1 | 1 | 2 | |
| CLUSTER TOTAL | | 1,091 | 1,344 | 32 | 21 | 53 | 146 |

*Note: As stated earlier in this report, many professionals are self-employed and therefore are not included in this survey. Data provided by the Montana Medical Association indicates that there are 1,215 physicians and surgeons licensed to practice medicine in the state as of September 19, 1984.

LIBERAL ARTS



|-----S U P P L Y S O U R C E S-----|

LA1-LIB ARTS/LANGUAGES*

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------------|---------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| EDUCATION, GENERAL | 13.0101 | | | 105 | | | | | 105 |
| FOREIGN LANGUAGES, MULTIPLE EMPHASIS | 16.0101 | | | 8 | | | | | 8 |
| RUSSIAN | 16.0402 | | | 1 | | | | | 1 |
| GERMAN | 16.0501 | | | 6 | | | | | 6 |
| FRENCH | 16.0901 | | | 7 | | | | | 7 |
| LATIN | 16.0903 | | | 1 | | | | | 1 |
| SPANISH | 16.0905 | | | 7 | | | | | 7 |
| ENGLISH, GENERAL | 23.0101 | | | 97 | | | | | 97 |
| CLASSICS | 23.0201 | | | 3 | | | | | 3 |
| LIBERAL/GENERAL STUDIES | 24.0101 | | | 150 | | | | | 150 |
| ASSOCIATE OF ARTS | 30.7891 | | | 30 | | | | | 30 |
| ARTS AND SCIENCES, GENERAL | 30.7894 | | | 46 | | | | | 46 |
| INTERDISCIPLINARY STUDIES | 30.7898 | | | 3 | | | | | 3 |
| CLUSTER TOTAL | | 0 | 0 | 464 | 0 | 0 | 0 | 0 | 464 |

*No demand data available for this cluster

LA2-HIST/PHILOS/SOC SCI.

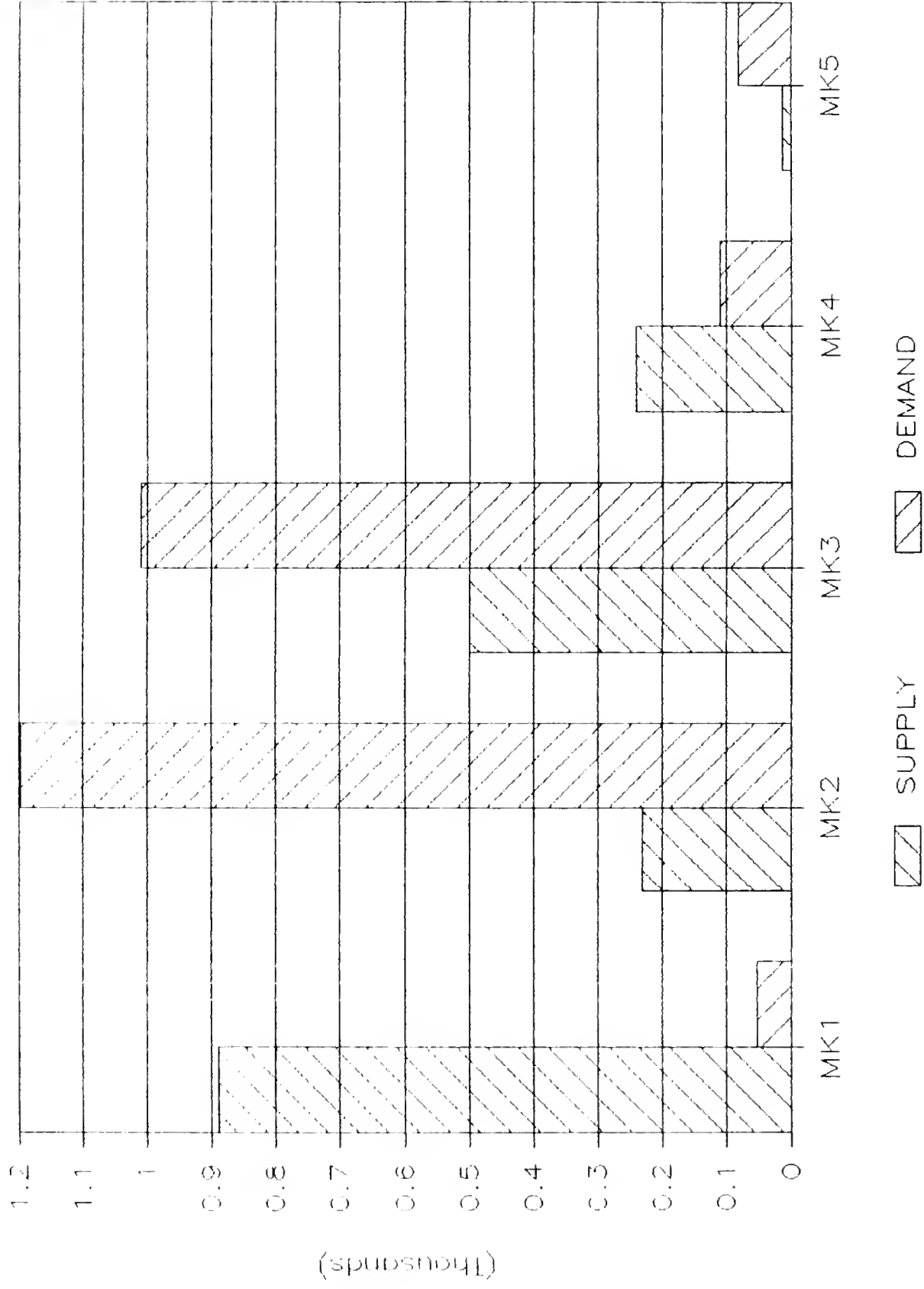
-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|----------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| AMERICAN INDIAN STUDIES | 05.0202 | | | 2 | | | | | 2 |
| NATURAL HERITAGE | 30.7896 | | | 7 | | | | | 7 |
| SOCIETY AND TECHNOLOGY | 30.7897 | | | 21 | | | | | 21 |
| PHILOSOPHY | 38.0101 | | | 11 | | | | | 11 |
| RELIGION | 38.0201 | | | 4 | | | | | 4 |
| RELIGIOUS EDUCATION | 39.0401 | | | 1 | | | | | 1 |
| THEOLOGICAL STUDIES | 39.0601 | | | 2 | | | | | 2 |
| SOCIAL SCIENCES, GENERAL | 45.0101 | | | 1 | | | | | 1 |
| ANTHROPOLOGY | 45.0201 | | | 22 | | | | | 22 |
| HISTORY | 45.0801 | | | 70 | | | | | 70 |
| POLITICAL SCIENCE AND GOVERNMENT | 45.1001 | | | 59 | | | | | 59 |
| SOCIOLOGY | 45.1101 | | | 94 | | | | | 94 |
| HISTORY/POLITICAL SCIENCE | 45.7899 | | | 6 | | | | | 6 |
| POLITICAL SCIENTIST | 051.067-010 | | | | | 2 | | | 2 |
| SOCIOLOGIST | 054.067-014 | | | | | 2 | 1 | | 3 |
| ARCHEOLOGIST | 055.067-018 | | | | | | 2 | | 2 |
| CLERGY MEMBER | 120.007-010 | | | | | 3 | | | 3 |
| CLUSTER TOTAL | | 0 | 0 | 300 | 0 | 7 | 3 | 0 | 310 |

LA2-HIST/PHILOS/SOC SCI.

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22427199 | SOCIAL SCIENTISTS (NO DETAIL) | 112 | 142 | 4 | 4 | 8 | |
| 22427502 | CLERGY | 43 | 50 | 1 | 2 | 3 | |
| 22427505 | DIRECTORS:RELIGIOUS ACTIV./ED | | | | | | |
| CLUSTER TOTAL | | 155 | 192 | 5 | 6 | 11 | 310 |

MARKETING



09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

MK1-REAL ESTATE MARKETING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| REAL ESTATE, GENERAL | 06.1701 | | | | 868 | | | | 868 |
| ABSTRACTOR | 119.267-010 | | | | 1 | | | | 1 |
| TITLE CLERK | 162.267-010 | | | | | | 1 | | 1 |
| CONTRACTOR | 182.167-010 | | | | 2 | | 1 | | 3 |
| REAL-ESTATE AGENT | 186.117-058 | | | | 2 | | | | 2 |
| APPRAISER | 188.167-010 | | | | 1 | | | | 1 |
| BUSINESS-OPPORTUNITY-AND-PROPERTY-INVE | 189.157-010 | | | | | | 1 | | 1 |
| MORTGAGE-PROCESSING CLERK | 203.382-022 | | | | | | 1 | | 1 |
| TITLE SEARCHER | 209.367-046 | | | | | | 1 | | 1 |
| REAL-ESTATE CLERK | 219.362-046 | | | | | | 1 | | 1 |
| BUILDING CONSULTANT | 250.357-010 | | | | | 2 | | | 2 |
| SALES AGENT, REAL ESTATE | 250.357-018 | | | | | 5 | 2 | | 7 |
| CLUSTER TOTAL | | 0 | 0 | 0 | 868 | 13 | 8 | 0 | 889 |

MK1-REAL ESTATE MARKETING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11515011 | PROPERTY, REAL ESTATE MANAGEM | 118 | 123 | 1 | 4 | 5 | |
| 22021917 | ASSESSORS | 189 | 200 | 1 | 15 | 16 | |
| 22528308 | TITLE SEARCHERS | 46 | 59 | 2 | 2 | 4 | |
| 22528311 | TITLE EXAMINERS AND ABSTRACTO | 85 | 108 | 3 | 3 | 6 | |
| 33343005 | BROKERS: REAL ESTATE | 23 | 21 | | 1 | 1 | |
| 33343008 | SALES AGENTS: REAL ESTATE | 104 | 127 | 3 | 7 | 10 | |
| 33343011 | APPRAISERS: REAL ESTATE | 62 | 73 | 1 | 4 | 5 | |
| 44353914 | REAL ESTATE CLERKS | 113 | 124 | 1 | 4 | 5 | |
| CLUSTER TOTAL | | 740 | 835 | 12 | 40 | 52 | 889 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK2-MARKETING MANAGEMENT

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BANKING AND FINANCE | 06.0301 | | | 99 | | | | | 99 |
| BUSINESS ECONOMICS | 06.0501 | | | 11 | | | | | 11 |
| INTERNATIONAL BUSINESS MANAGEMENT | 06.0901 | | | 2 | | | | | 2 |
| MARKETING MANAGEMENT | 06.1401 | | 16 | 10 | | | | | 26 |
| ECONOMICS | 45.0601 | | | 38 | | | | | 38 |
| QUALITY-CONTROL TECHNICIAN | 012.261-014 | | | | | | | | |
| FINANCIAL ANALYST | 020.167-014 | | | | | 1 | | | 1 |
| ECONOMIST | 050.067-010 | | | | | 2 | | | 2 |
| MARKET-RESEARCH ANALYST 1 | 050.067-014 | | | | | 2 | | | 2 |
| TREASURER | 161.117-018 | | | | | 1 | | | 1 |
| SECURITIES TRADER 1 | 162.157-042 | | | | | 2 | 1 | | 3 |
| MANAGER, EXPORT | 163.117-014 | | | | | 1 | | | 1 |
| MANAGER, ADVERTISING | 164.117-010 | | | | | | | | |
| SUPERVISOR OF SALES | 185.157-014 | | | | | 1 | | | 1 |
| COMMISSARY MANAGER | 185.167-010 | | | | | | 1 | | 1 |
| MANAGER, AUTOMOBILE SERVICE STATION | 185.167-014 | | | | | 1 | 1 | | 2 |
| MANAGER, MERCHANDISE | 185.167-034 | | | | | | 1 | | 1 |
| MANAGER, RETAIL STORE | 185.167-046 | | | | | 5 | 11 | | 16 |
| BUSINESS MANAGER, COLLEGE OR UNIVERSIT | 186.117-010 | | | | | 1 | | | 1 |
| CUSTOMS-HOUSE BROKER | 186.117-018 | | | | | 1 | | | 1 |
| TREASURER, FINANCIAL INSTITUTION | 186.117-070 | | | | | | | | |
| MANAGER, PROPERTY | 186.167-046 | | | | | | 1 | | 1 |
| LOAN OFFICER | 186.267-018 | | | | | | 1 | | 1 |
| DIVISION MANAGER, CHAMBER OF COMMERCE | 187.167-042 | | | | | | 1 | | 1 |

-----SUPPLY SOURCES-----|

MK2-MARKETING MANAGEMENT

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BUSINESS-OPPORTUNITY-AND-PROPERTY-INVE | 189.157-010 | | | | | 2 | | | 2 |
| MANAGER, DEPARTMENT | 189.167-022 | | | | | 6 | 3 | | 9 |
| BUSINESS MANAGER | 191.117-018 | | | | | 3 | 1 | | 4 |
| SALES REPRESENTATIVE, SIGNS AND DISPLA | 254.257-010 | | | | | 1 | | | 1 |
| MANAGER, DEPARTMENT | 299.137-010 | | | | | | 3 | | 3 |
| CLUSTER TOTAL | | 0 | 16 | 160 | 0 | 30 | 25 | 0 | 231 |

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MONTANA D E M A N D REPORT

MK2-MARKETING MANAGEMENT

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11313002 | FINANCIAL MANAGERS | 48 | 59 | 1 | 2 | 3 | |
| 11313011 | MARKETING, ADV., PUB.REL. MGR | 48 | 54 | 1 | 2 | 3 | |
| 22021199 | FINANCIAL SPECIALISTS(NO DETA | 7 | 9 | | | | |
| 22021302 | ALL WHOLESALE AND RETAIL BUYE | 697 | 846 | 19 | 32 | 51 | |
| 22325315 | FINANCIAL ANALYSTS, STATISTIC | 75 | 85 | 1 | 2 | 3 | |
| 22427102 | ECONOMISTS, MARKET ANALYSTS | 100 | 120 | 3 | 2 | 5 | |
| 33141002 | FIRST LINE SUPERVISORS: SALES | 5,535 | 6,799 | 158 | 222 | 380 | |
| 33343014 | SALES AGENTS: FINANCIAL SERVI | 241 | 293 | 7 | 11 | 18 | |
| 33343017 | SALES AGENTS: BUSINESS SERVIC | 106 | 120 | 2 | 4 | 6 | |
| 33343023 | SALES AGENTS: ADVERTISING | 82 | 87 | 1 | 4 | 5 | |
| 33949002 | SALES ENGINEERS | 3 | 4 | | | | |
| 33949008 | OTHER SALES REPRESENTATIVES | 540 | 655 | 14 | 19 | 33 | |
| 33949999 | SALES & RELATED OCC. (NO DETA | 7,521 | 9,474 | 244 | 446 | 690 | |
| | | 15,003 | 18,605 | 451 | 746 | 1,197 | 231 |
| CLUSTER TOTAL | | | | | | | |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK3-RETAIL MARKETING & MFG.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|----------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| FASHION MERCHANDISING | 08.0102 | | 4 | | | | | | 4 |
| AUCTIONEERING | 08.0701 | | | | | | | | |
| RETAILING | 08.0705 | 152 | 1 | | | | | | 153 |
| MANAGER, SALES | 163.167-018 | | | | | 2 | 1 | | 3 |
| MANAGER, BRANCH | 183.117-010 | | | | | 1 | | | 1 |
| GENERAL SUPERVISOR | 183.167-018 | | | | | | 1 | | 1 |
| SUPERVISOR OF SALES | 185.157-014 | | | | | | | | |
| COMMISSARY MANAGER | 185.167-010 | | | | | | | | |
| MANAGER, MERCHANDISE | 185.167-034 | | | | | | | | |
| MANAGER, LEASING | 186.117-046 | | | | | 1 | 1 | | 2 |
| PROPERTY-UTILIZATION OFFICER | 188.117-122 | | | | | 1 | | | 1 |
| MANAGER, INDUSTRIAL ORGANIZATION | 189.117-022 | | | | | 2 | | | 2 |
| PAWNBROKER | 191.157-010 | | | | | 1 | | | 1 |
| STOCK-CONTROL CLERK | 219.367-034 | | | | | 1 | 1 | | 2 |
| SALES CORRESPONDENT | 221.367-062 | | | | | | 1 | | 1 |
| PARTS CLERK | 222.367-042 | | | | | 1 | 8 | | 9 |
| INVENTORY CLERK | 222.387-026 | | | | | | 1 | | 1 |
| MATERIAL CLERK | 222.387-034 | | | | | | 2 | | 2 |
| SHIPPING AND RECEIVING CLERK | 222.387-050 | | | | | 1 | 14 | | 15 |
| SORTER-PRICER | 222.387-054 | | | | | | 1 | | 1 |
| STOCK CLERK | 222.387-058 | | | | | 2 | | | 2 |
| STOCK CLERK, WAREHOUSEMAN | 222.387-058 | | | | | | | 16 | 16 |
| STOCK CLERK | 222.387-058 | | | | | | 11 | | 11 |
| ORDER FILLER | 222.487-014 | | | | | | 1 | | 1 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK3-RETAIL MARKETING & MFG.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| SHIPPING CHECKER | 222.687-030 | | | | | | | 1 | 1 |
| ORDER CLERK | 249.367-054 | | | | | | 2 | | 2 |
| PARTS-ORDER-AND-STOCK CLERK | 249.367-058 | | | | | | 1 | | 1 |
| PROCUREMENT CLERK | 249.367-066 | | | | | 2 | | | 2 |
| SALES AGENT, SECURITIES | 251.157-010 | | | | | 1 | | | 1 |
| SALES AGENT, BUSINESS SERVICES | 251.357-010 | | | | | 1 | | | 1 |
| SALES REPRESENTATIVE, RADIO AND TELEVI | 259.357-018 | | | | | 1 | | 1 | 2 |
| SALES REPRESENTATIVE, FOOD PRODUCTS | 260.357-014 | | | | | | 1 | | 1 |
| SALESPERSON, FLOWERS | 260.357-026 | | | | | | 4 | | 4 |
| SALESPERSON, MEN'S AND BOYS' CLOTHING | 261.357-050 | | | | | 1 | | 1 | 2 |
| SALESPERSON, SHOES | 261.357-062 | | | | | 1 | | | 1 |
| SALESPERSON, WOMEN'S APPAREL AND ACCES | 261.357-066 | | | | | 1 | | 1 | 2 |
| SALESPERSON, COSMETICS AND TOILETRIES | 262.357-018 | | | | | 1 | | | 1 |
| SALES REPRESENTATIVE, HOME FURNISHINGS | 270.357-010 | | | | | | 1 | | 1 |
| SALESPERSON, FURNITURE | 270.357-030 | | | | | 1 | 3 | | 4 |
| SALESPERSON, HOUSEHOLD APPLIANCES | 270.357-034 | | | | | | 2 | | 2 |
| SALES REPRESENTATIVE, AIRCRAFT | 273.253-010 | | | | | 1 | | | 1 |
| SALESPERSON, AUTOMOBILES | 273.353-010 | | | | | 3 | | | 3 |
| SALES REPRESENTATIVE, MOTOR VEHICLES A | 273.357-022 | | | | | 2 | 1 | | 3 |
| SALESPERSON, AUTOMOBILE ACCESSORIES | 273.357-030 | | | | | 1 | 2 | | 3 |
| SALES REPRESENTATIVE, BUILDING EQUIPME | 274.357-018 | | | | | 1 | 1 | | 2 |
| SALES REPRESENTATIVE, MATERIAL-HANDLIN | 274.357-050 | | | | | 1 | | | 1 |
| SALES REPRESENTATIVE, OILFIELD SUPPLIE | 274.357-058 | | | | | | | 1 | 1 |
| SALES REPRESENTATIVE, COMPUTERS AND ED | 275.257-010 | | | | | | 2 | | 2 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK3-RETAIL MARKETING & MFG.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| SALES REPRESENTATIVE, HOTEL AND RESTAU | 275.357-026 | | | | | | 1 | 1 | 1 |
| SALES REPRESENTATIVE, OFFICE MACHINES | 275.357-034 | | | | | | 3 | 3 | 3 |
| SALES REPRESENTATIVE, HOBBIES AND CRAF | 277.357-010 | | | | | | 2 | 2 | 2 |
| SALESPERSON, PETS AND PET SUPPLIES | 277.357-042 | | | | | | 2 | 2 | 2 |
| SALESPERSON, PHOTOGRAPHIC SUPPLIES AND | 277.357-050 | | | | | | 1 | 1 | 1 |
| SALESPERSON, STAMPS OR COINS | 277.357-062 | | | | | 1 | | 1 | 1 |
| SALES EXHIBITOR | 279.357-010 | | | | | | 2 | 2 | 2 |
| SALES REPRESENTATIVE, GENERAL MERCHAND | 279.357-014 | | | | | 1 | 5 | 6 | 6 |
| SALESPERSON, GENERAL HARDWARE | 279.357-050 | | | | | | 1 | 1 | 1 |
| SALESPERSON, GENERAL MERCHANDISE | 279.357-054 | | | | | 3 | 29 | 32 | 32 |
| SALESPERSON, JEWELRY | 279.357-058 | | | | | | 2 | 2 | 2 |
| SALESPERSON, PARTS | 279.357-062 | | | | | 2 | 11 | 13 | 13 |
| COUPON-REDEMPTION CLERK | 290.477-010 | | | | | 1 | 8 | 9 | 9 |
| SALES CLERK | 290.477-014 | | | | | 2 | 95 | 97 | 97 |
| SALES CLERK, FOOD | 290.477-018 | | | | | | 7 | 7 | 7 |
| PEDDLER | 291.457-018 | | | | | | 1 | 1 | 1 |
| DRIVER, SALES ROUTE | 292.353-010 | | | | | 3 | 12 | 15 | 15 |
| TELEPHONE SOLICITOR | 299.357-014 | | | | | | 2 | 2 | 2 |
| STOCK CLERK, SELF-SERVICE STORE | 299.367-014 | | | | | 2 | 5 | 7 | 7 |
| WATCH-AND-CLOCK-REPAIR CLERK | 299.367-018 | | | | | 1 | | 1 | 1 |
| SALES ATTENDANT | 299.677-010 | | | | | 1 | | 1 | 1 |
| SUPPLY CLERK | 339.687-010 | | | | | 1 | | 1 | 1 |
| ELECTRONIC-SALES-AND-SERVICE TECHNICIA | 828.251-010 | | | | | | | | |
| SUPERVISOR, WATER SOFTENER SERVICE | 862.134-014 | | | | | | 3 | 3 | 3 |

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----

MK3-RETAIL MARKETING & MFG.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|----------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| PACKAGER, HAND | 920.587-018 | | | | | | 4 | | 4 |
| PACKAGER, MACHINE | 920.685-078 | | | | | | 1 | | 1 |
| BAGGER | 920.687-014 | | | | | 1 | 3 | | 4 |
| WAREHOUSE SUPERVISOR | 929.137-022 | | | | | | 1 | | 1 |
| CUTTER, BANANA ROOM | 929.687-010 | | | | | | 6 | | 6 |
| CLUSTER TOTAL | | 152 | 5 | 0 | 0 | 51 | 275 | 16 | 499 |

MK3-RETAIL MARKETING & MFG.

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11313008 | PURCHASING MANAGERS | 28 | 36 | 1 | 1 | 2 | |
| 11515014 | INDUSTRIAL PRODUCTION MANAGER | 59 | 66 | 1 | 2 | 3 | |
| 22021308 | PURCHASING AGENTS | 494 | 573 | 10 | 17 | 27 | |
| 22834044 | MERCHANDISE DISPLAYERS | 39 | 47 | 1 | 2 | 3 | |
| 33343099 | SERVICE SALES OCC. (NO DETAIL | 20 | 22 | | 1 | 1 | |
| 33949005 | SALES REPS.: SCIENTIFIC PRODU | 91 | 109 | 2 | 3 | 5 | |
| 33949011 | SALES PERSONS: RETAIL | 7,518 | 9,051 | 192 | 337 | 529 | |
| 33949021 | STOCK CLERKS: SALES FLOOR | 1,955 | 2,248 | 37 | 34 | 71 | |
| 33949026 | VENDORS, SOLICITORS, DOOR-TO-DO | 27 | 31 | 1 | 1 | 2 | |
| 33949032 | DEMONSTRATORS, PROMOTERS, MOD | 3 | 4 | | | | |
| 44555323 | ORDER CLERKS: MATERIALS, SERV | 469 | 566 | 12 | 20 | 32 | |
| 44555326 | PROCUREMENT CLERKS | 73 | 84 | 1 | 2 | 3 | |
| 44858008 | PRODUCTION, EXPEDITING CLERKS | 168 | 189 | 3 | 6 | 9 | |
| 44858017 | WEIGHERS, MEASURERS, CHECKERS | 170 | 194 | 3 | 6 | 9 | |
| 44858021 | MARKING CLERKS | 69 | 83 | 2 | 3 | 5 | |
| 44858023 | STOCK CLERKS | 2,114 | 2,566 | 57 | 65 | 122 | |
| 44858026 | SALES ORDER FILLERS | 500 | 590 | 11 | 9 | 20 | |
| 44858028 | TRAFFIC, SHIPPING CLERKS | 1,196 | 1,446 | 31 | 40 | 71 | |
| 77081008 | FIRST LINE SUPERV.: PRODUCTION | 739 | 890 | 19 | 26 | 45 | |
| 77183005 | PRODUCTION INSPECTORS, GRADER | 270 | 339 | 9 | 9 | 18 | |
| 77183099 | INSPECTORS, TESTERS (NO DETAI | 80 | 83 | | 3 | 3 | |
| 77897117 | DRIVER SALES WORKERS | | | | | | |
| 77998902 | HAND PACKERS AND PACKAGERS | 505 | 607 | 13 | 17 | 30 | |
| CLUSTER TOTAL | | 16,587 | 19,824 | 406 | 604 | 1,010 | 499 |

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

MK4-RECREATION & TOURISM

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| LEISURE & RECREATION (OUTFITTING) | 36.0199 | | | | | | | | 175 |
| ATHLETIC TRAINER | 153.224-010 | | | | | | 1 | | 1 |
| UMPIRE | 153.267-018 | | | | | | 4 | | 4 |
| MANAGER, LEASING | 186.117-046 | | | | | | | | |
| MANAGER, HOTEL OR MOTEL | 187.117-038 | | | | | 2 | 2 | | 4 |
| RECREATION SUPERVISOR | 187.137-010 | | | | | | 3 | | 3 |
| DIVISION MANAGER, CHAMBER OF COMMERCE | 187.167-042 | | | | | | | | |
| COMMUNITY-RELATIONS-AND-SERVICES ADVIS | 195.167-014 | | | | | | 1 | | 1 |
| PROGRAM AIDE, GROUP WORK | 195.227-010 | | | | | 1 | 8 | | 9 |
| RECREATION LEADER | 195.227-014 | | | | | | 4 | | 4 |
| TOURIST-INFORMATION ASSISTANT | 237.367-050 | | | | | | 1 | | 1 |
| HOTEL CLERK | 238.362-010 | | | | | | 10 | | 10 |
| GATE AGENT | 238.367-010 | | | | | | 2 | | 2 |
| TICKET AGENT | 238.367-026 | | | | | | 3 | | 3 |
| TRAVEL AGENT | 252.157-010 | | | | | | 2 | | 2 |
| SALES REPRESENTATIVE, HOTEL AND RESTAU | 275.357-026 | | | | | | | | |
| MANAGER, LODGING FACILITIES | 320.137-014 | | | | | 2 | 3 | | 5 |
| RECREATION-FACILITY ATTENDANT | 341.367-010 | | | | | | 6 | | 6 |
| GAMBLING DEALER | 343.467-018 | | | | | 2 | | | 2 |
| USHER | 344.677-014 | | | | | | 1 | | 1 |
| GUIDE, HUNTING AND FISHING | 353.161-010 | | | | | | | | |
| LIFEGUARD | 379.667-014 | | | | | | 1 | | 1 |
| FIREWORKS ASSEMBLER | 737.587-014 | | | | | | | | |
| SWIMMING-POOL SERVICER | 891.684-018 | | | | | | 1 | | 1 |

-----SUPPLY SOURCES-----|

MK4-RECREATION & TOURISM

| TITLE | CODE | PUBLIC | | VO-ED | | HIGHER | | PROP. | | VOC | | CETA | | JOB | | SUPPLY |
|--------------------------------|-------------|--------|---------|-------|---------|--------|-------|---------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | SEC | VO-TECH | ED. | SCHOOLS | REHAB | REHAB | SCHOOLS | REHAB | REHAB | REHAB | REHAB | REHAB | CORPS | CORPS | TOTALS |
| MOBILE-HOME-LOT UTILITY WORKER | 899.484-010 | | | | | | | | | | | | | | | 5 |
| AIRPORT ATTENDANT | 912.364-010 | | | | | | | | | | | | | | | |
| CLUSTER TOTAL | | 0 | 0 | 0 | 0 | 175 | 7 | 58 | 0 | | | | | | | 240 |

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MONTANA DEMAND REPORT

MK4-RECREATION & TOURISM

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11515026 | FOOD SERVICE & LODGING MANAGE | | | | | | |
| 22427311 | RECREATION WORKERS | 388 | 478 | 11 | 12 | 23 | |
| 22631321 | INSTRUCTORS AND COACHES: SPOR | | | | | | |
| 22834058 | ATHLETE, COACH, UMPIRE & RELA | | | | | | |
| 33343021 | TRAVEL AGENTS | 171 | 221 | 6 | 8 | 14 | |
| 44353802 | TRAVEL CLERKS | 100 | 117 | 2 | 4 | 6 | |
| 44353805 | RESERVATION TICKET AGENTS | 364 | 336 | -3 | 9 | 6 | |
| 44353808 | HOTEL DESK CLERKS | | | | | | |
| 55868014 | AMUSEMENT & RECREATION ATTEND | 548 | 672 | 16 | 23 | 39 | |
| 55868017 | GUIDES | 48 | 61 | 2 | 3 | 5 | |
| 55868021 | USHERS AND TICKET TAKERS | 292 | 344 | 7 | 7 | 14 | |
| 55868023 | BAGGAGE PORTERS AND BELLHOPS | 81 | 88 | 1 | 3 | 4 | |
| CLUSTER TOTAL | | 1,992 | 2,317 | 42 | 69 | 111 | 240 |

MK5-INSURANCE

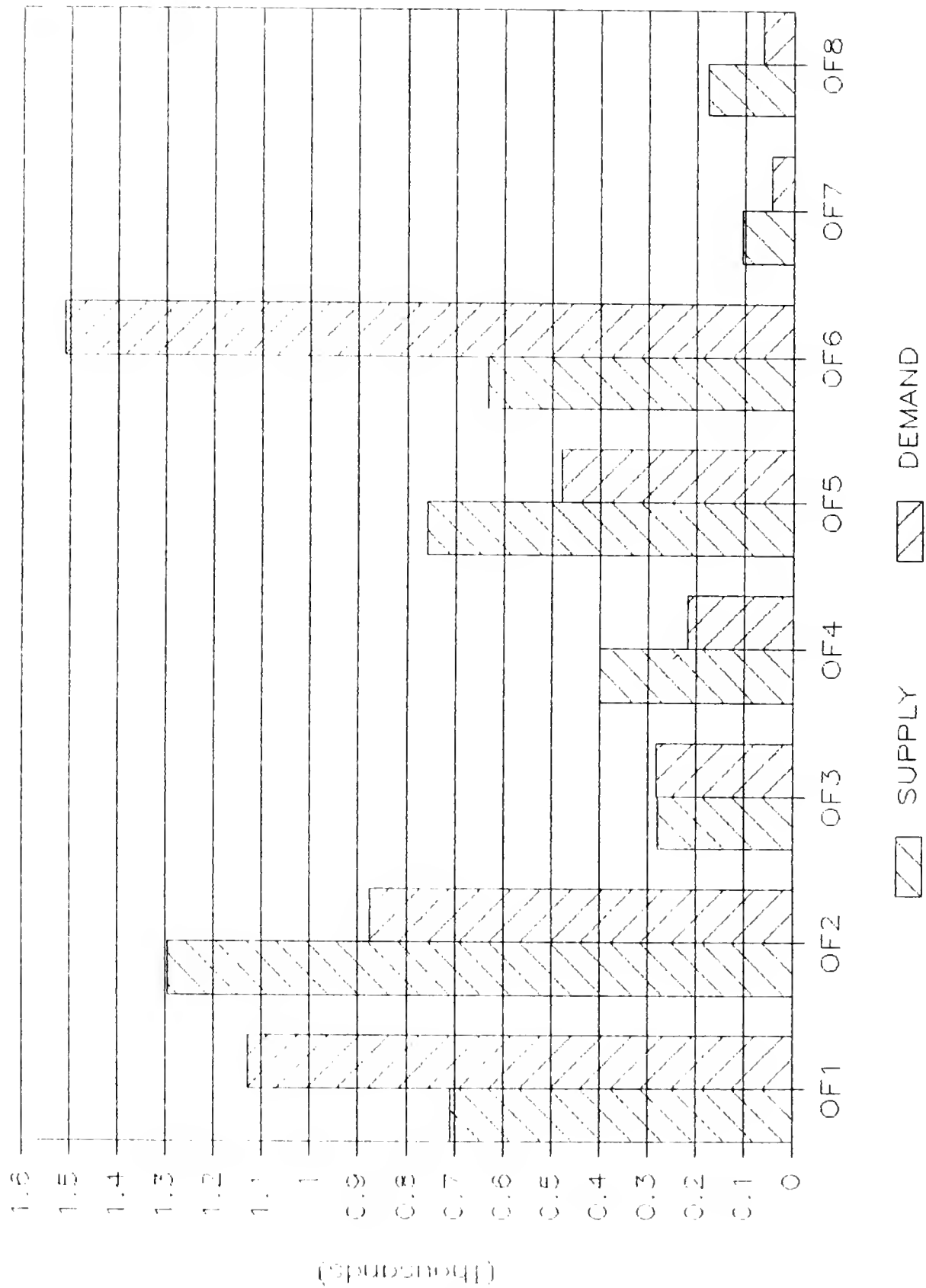
-----SUPPLY SOURCES-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| INSURANCE & RISK MANAGEMENT | 06.0801 | | | 1 | | | | | 1 |
| INSURANCE CLERK 2 | 205.567-010 | | | | | 1 | | | 1 |
| INSURANCE CLERK | 214.362-022 | | | | | | 3 | | 3 |
| POLICY-CHANGE CLERK | 219.362-042 | | | | | | 1 | | 1 |
| UNDERWRITING CLERK | 219.367-038 | | | | | | 1 | | 1 |
| CLAIM ADJUSTER | 241.217-010 | | | | | 1 | | | 1 |
| CLAIM EXAMINER | 241.267-018 | | | | | 1 | | | 1 |
| SALES AGENT, INSURANCE | 250.257-010 | | | | | 2 | 2 | | 4 |
| CLUSTER TOTAL | | 0 | 0 | 1 | 0 | 5 | 7 | 0 | 13 |

MK5-INSURANCE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22021102 | UNDERWRITERS | 147 | 163 | 2 | 6 | 8 | |
| 22021505 | SPECIAL AGENTS, INSURANCE | 79 | 89 | 1 | 3 | 4 | |
| 22021921 | CLAIMS EXAMINERS: INSURANCE | 27 | 31 | 1 | 1 | 2 | |
| 22325313 | ACTUARIES | 1 | 1 | | | | |
| 33343002 | SALES AGENTS: INSURANCE | 532 | 622 | 11 | 19 | 30 | |
| 44353302 | INSURANCE ADJUSTERS/INVESTIGA | 304 | 386 | 10 | 10 | 20 | |
| 44353308 | INSURANCE EXAMINING CLERKS | 34 | 42 | 1 | 1 | 2 | |
| 44353311 | INSURANCE CLAIMS CLERKS | 191 | 227 | 5 | 7 | 12 | |
| 44353314 | INSURANCE POLICY PROCESS. CLE | 43 | 50 | 1 | 2 | 3 | |
| CLUSTER TOTAL | | 1,358 | 1,611 | 32 | 49 | 81 | 13 |

OFFICE



09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

I-----S U P P L Y S O U R C E S-----I

OF1-BOOKKEEPING & ACCOUNTING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| ACCOUNTING | 06.0201 | | | 186 | | | | | 186 |
| TAXATION (INCOME TAX PREPARATION) | 06.1901 | | | | 110 | | | | 110 |
| ACCOUNTING,BOOKKEEPING & RELATED | 07.0101 | | 77 | | | | | | 77 |
| ACCOUNTING/BOOKKEEPING | 07.0101 | | | 15 | | | | | 15 |
| ACCOUNTANT, TAX | 160.162-010 | | | | | 2 | 1 | | 3 |
| ACCOUNTANT | 160.167-010 | | | | | 21 | 9 | | 30 |
| ACCOUNTANT, BUDGET | 160.167-014 | | | | | 1 | | | 1 |
| ACCOUNTANT, SYSTEMS | 160.167-026 | | | | | 2 | 1 | | 3 |
| AUDITOR, TAX | 160.167-038 | | | | | 1 | | | 1 |
| ESTIMATOR | 160.267-018 | | | | | | 1 | | 1 |
| TREASURER | 161.117-018 | | | | | | | | |
| BUSINESS MANAGER, COLLEGE OR UNIVERSIT | 186.117-010 | | | | | | | 1 | 1 |
| TREASURER, FINANCIAL INSTITUTION | 186.117-070 | | | | | | | 2 | 2 |
| ELIGIBILITY WORKER | 195.267-010 | | | | | | | | |
| CHECKER 2 | 209.687-010 | | | | | 1 | 2 | | 3 |
| AUDIT CLERK | 210.382-010 | | | | | 1 | 2 | | 3 |
| BOOKKEEPER 1 | 210.382-014 | | | | | 16 | 75 | | 91 |
| BOOKKEEPER 2 | 210.382-018 | | | | | 11 | 24 | | 35 |
| BOOKKEEPING-MACHINE OPERATOR 1 | 210.382-022 | | | | | 1 | | | 1 |
| BOOKKEEPING-MACHINE OPERATOR 2 | 210.382-026 | | | | | 1 | 3 | | 4 |
| NIGHT AUDITOR | 210.382-054 | | | | | | | 1 | 1 |
| CASHIER 1 | 211.362-010 | | | | | | 12 | | 12 |
| TELLER | 211.362-018 | | | | | | 4 | | 4 |
| CASHIER 2 | 211.462-010 | | | | | | 49 | | 49 |

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF1-BOOKKEEPING & ACCOUNTING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CASHIER-CHECKER | 211.462-014 | | | | | 1 | 55 | | 56 |
| TELLER | 211.462-034 | | | | | 1 | | | 1 |
| PAYROLL CLERK | 215.482-010 | | | | | | 1 | | 1 |
| ACCOUNTING CLERK, DATA PROCESSING | 216.382-010 | | | | | | 1 | | 1 |
| STATISTICAL CLERK | 216.382-062 | | | | | | 1 | | 1 |
| ACCOUNTING CLERK | 216.482-010 | | | | | 7 | 6 | | 13 |
| POSTING CLERK | 216.587-014 | | | | | | 1 | | 1 |
| PROOF-MACHINE OPERATOR | 217.382-010 | | | | | | 2 | | 2 |
| CHECKER 1 | 222.687-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 77 | 201 | 110 | 67 | 255 | 0 | 710 |

OF 1 -BOOKKEEPING & ACCOUNTING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22021111 | TAX PREPARERS | 93 | 126 | 4 | 4 | 8 | |
| 22021114 | ACCOUNTANTS AND AUDITORS | 2,236 | 2,728 | 62 | 83 | 145 | |
| 22021117 | BUDGET ANALYSTS | 66 | 78 | 2 | 2 | 4 | |
| 22021914 | TAX EXAMINERS AND COLLECTORS | 163 | 179 | 2 | 6 | 8 | |
| 33949023 | CASHIERS | 4,804 | 5,932 | 141 | 187 | 328 | |
| 44353102 | TELLERS | 1,490 | 1,812 | 40 | 51 | 91 | |
| 44353108 | TRANSIT CLERKS | 21 | 25 | 1 | 1 | 2 | |
| 44353126 | STATEMENT CLERKS | 176 | 214 | 5 | 7 | 12 | |
| 44353502 | WELFARE ELIGIBILITY WORKERS | 324 | 342 | 2 | 13 | 15 | |
| 44353508 | BILL AND ACCOUNT COLLECTORS | 179 | 211 | 4 | 7 | 11 | |
| 44555328 | STATISTICAL CLERKS | 515 | 631 | 15 | 21 | 36 | |
| 44555338 | BOOKKEEPING & ACCOUNTING CLER | 5,660 | 6,818 | 145 | 231 | 376 | |
| 44555344 | BILLING, COST AND RATE CLERKS | 618 | 744 | 16 | 23 | 39 | |
| 44656002 | CALCULATING MACHINE OPERATORS | 724 | 936 | 27 | 28 | 55 | |
| CLUSTER TOTAL | | 17,069 | 20,776 | 466 | 664 | 1,130 | 710 |

|-----S U P P L Y S O U R C E S-----|

OF2-CLERICAL OFFICE PRACTICE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| TYPING, GENERAL OFFICE | 07.0701 | | | 6 | | | | | 6 |
| TYPING, GENERAL OFFICE, & RELATED PROG | 07.0701 | 667 | | | | | | | 667 |
| CLERK-TYPIST | 07.0702 | | 79 | 12 | | | | | 91 |
| GENERAL OFFICE CLERK | 07.0705 | | 4 | | | | | | 4 |
| ADMINISTRATIVE ASSISTANT | 169.167-010 | | | | 7 | 10 | | | 17 |
| CLERK-TYPIST | 203.362-010 | | | | 8 | 80 | | | 88 |
| IN-FILE OPERATOR | 203.362-014 | | | | | 1 | | | 1 |
| TRANSCRIBING-MACHINE OPERATOR | 203.582-058 | | | 1 | | | | | 1 |
| TYPIST | 203.582-066 | | | | | 2 | | | 2 |
| FILE CLERK 1 | 206.362-010 | | | | 4 | 5 | | | 9 |
| FILE CLERK 2 | 206.367-014 | | | | 1 | 1 | | | 2 |
| CLERK, GENERAL | 209.562-010 | | | | 10 | 164 | | | 174 |
| METER READER | 209.567-010 | | | | | 2 | | | 2 |
| TRAFFIC CLERK | 214.587-014 | | | | | 1 | | | 1 |
| ADMINISTRATIVE CLERK | 219.362-010 | | | | 9 | 204 | | | 213 |
| ATTENDANCE CLERK | 219.362-014 | | | | | 3 | | | 3 |
| MATERIAL EXPEDITER | 221.367-042 | | | | | 5 | | | 5 |
| LABORATORY CLERK | 222.587-026 | | | | | 1 | | | 1 |
| OFFICE HELPER | 239.567-010 | | | | | 2 | | | 2 |
| COLLECTION CLERK | 241.357-010 | | | | | 2 | | | 2 |
| LOAN INTERVIEWER | 241.367-018 | | | 1 | | 1 | | | 2 |
| TOOL-AND-EQUIPMENT-RENTAL CLERK | 295.357-014 | | | | | 2 | | | 2 |
| CLUSTER TOTAL | | 667 | 83 | 18 | 0 | 41 | 486 | 0 | 1295 |

OF2-CLERICAL OFFICE PRACTICE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY- MENT-1982 | PROJ EMPLOY- MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE- MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|---------------------------------|------------------------------|-------------------|------------------------------|-------------------------------|--------|
| 22021902 | COST ESTIMATORS | 269 | 363 | 12 | 11 | 23 | |
| 33949017 | COUNTER AND RENTAL CLERKS | 134 | 150 | 2 | 5 | 7 | |
| 44353121 | LOAN AND CREDIT CLERKS | 346 | 445 | 12 | 14 | 26 | |
| 44353123 | ADJUSTMENT CLERKS | 112 | 129 | 2 | 4 | 6 | |
| 44353128 | BROKERAGE CLERKS | 40 | 44 | 1 | 2 | 3 | |
| 44353702 | COURT CLERKS | 230 | 289 | 7 | 9 | 16 | |
| 44353708 | LICENSE CLERKS | 121 | 142 | 3 | 4 | 7 | |
| 44555308 | TYPISTS | 2,772 | 3,177 | 51 | 110 | 161 | |
| 44555317 | CORRESPONDENCE CLERKS | 11 | 16 | 1 | | 1 | |
| 44555321 | FILE CLERKS | 563 | 662 | 12 | 23 | 35 | |
| 44555341 | PAYROLL AND TIMEKEEPING CLERK | 520 | 627 | 13 | 21 | 34 | |
| 44555347 | GENERAL OFFICE CLERKS | 6,309 | 7,364 | 132 | 244 | 376 | |
| 44656008 | MAIL MACHINE OPERATORS | 54 | 65 | 1 | 2 | 3 | |
| 44656099 | OFFICE MACH. OPERATOR(NO DETA | 740 | 832 | 12 | 26 | 38 | |
| 44757302 | MAIL CLERKS, EXC. MAIL MACHIN | 102 | 118 | 2 | 4 | 6 | |
| 44757311 | MESSENGERS | 65 | 78 | 2 | 5 | 7 | |
| 44959999 | CLERICAL & SUPPORT (NO DETAI | 1,411 | 1,552 | 18 | 55 | 73 | |
| 55565017 | COUNTER ATTENDANTS | 932 | 1,109 | 22 | 32 | 54 | |
| CLUSTER TOTAL | | 14,731 | 17,162 | 305 | 571 | 876 | 7795 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF3-COMMUNICATIONS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| RECEPTIONIST & COMM. SYSTEMS OPERATION | 07.0707 | | 8 | | | | | | 8 |
| RADIO/TV NEWS BROADCAST | 09.0601 | | | 10 | | | | | 10 |
| BROADCASTING | 09.0601 | 15 | | | | | | | 15 |
| RADIO/TELEVISION, GENERAL | 09.0701 | | | | 49 | | | | 49 |
| BROADCAST COMMUNICATIONS | 09.9999 | | | 7 | | | | | 7 |
| RADIO & TV PRODUCTION & BROADCASTING | 10.0104 | | | 42 | | | | | 42 |
| SPEECH, DEBATE, AND FORENSICS | 23.1001 | | | 41 | | | | | 41 |
| RESEARCH WORKER, ENCYCLOPEDIA | 109.267-014 | | | | | 1 | | | 1 |
| ANNOUNCER | 159.147-010 | | | | | 7 | 6 | | 13 |
| DISK JOCKEY | 159.147-014 | | | | | 2 | 1 | | 3 |
| DISPATCHER | 193.262-014 | | | | | | 1 | | 1 |
| BRAILLE OPERATOR | 203.582-010 | | | | | | 1 | | 1 |
| REHABILITATION CLERK | 205.367-046 | | | | | | 1 | | 1 |
| MAIL CLERK | 209.587-026 | | | | | | 1 | | 1 |
| RATE ANALYST, FREIGHT | 214.267-010 | | | | | 1 | | | 1 |
| MAIL CARRIER | 230.367-010 | | | | | 1 | | | 1 |
| CENTRAL-OFFICE OPERATOR | 235.462-010 | | | | | 1 | 6 | | 7 |
| ROUTE CLERK | 235.562-010 | | | | | 1 | | | 1 |
| TELEPHONE OPERATOR | 235.662-022 | | | | | 1 | 1 | | 2 |
| TELEPHONE-ANSWERING-SERVICE OPERATOR | 235.662-026 | | | | | | 1 | | 1 |
| APPOINTMENT CLERK | 237.367-010 | | | | | 1 | 4 | | 5 |
| INFORMATION CLERK | 237.367-022 | | | | | 1 | | | 1 |
| RECEPTIONIST | 237.367-038 | | | | | 5 | 48 | | 53 |
| DISPATCHER, MAINTENANCE SERVICE | 239.367-014 | | | | | | 2 | | 2 |

09/26/84

M O N T H L Y S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF3-COMMUNICATIONS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| COLLECTOR | 241.367-010 | | | | | | 2 | | 2 |
| POST-OFFICE CLERK | 243.367-014 | | | | | 1 | 2 | | 3 |
| COUNTER CLERK | 249.362-010 | | | | | | 1 | | 1 |
| TEST TECHNICIAN | 249.367-078 | | | | | | 1 | | 1 |
| BROADCAST CHECKER | 249.387-010 | | | | 1 | | | | 1 |
| COMMUNICATIONS CONSULTANT | 253.157-010 | | | | 1 | | | | 1 |
| SWITCHBOARD OPERATOR | 952.362-038 | | | | | | 3 | | 3 |
| PROGRAM ASSISTANT | 962.167-014 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 15 | 8 | 100 | 49 | 25 | 83 | 0 | 280 |

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MONTANA D E M A N D R E P O R T

OF3-COMMUNICATIONS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|--------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22834011 | REPORTERS AND CORRESPONDENTS | | | | | | |
| 22834017 | ANNOUNCERS: RADIO, TELEVISION | 319 | 341 | 3 | 4 | 7 | |
| 44353105 | NEW ACCOUNTS CLERKS | 263 | 307 | 6 | 9 | 15 | |
| 44353117 | CREDIT CHECKERS | 70 | 77 | 1 | 3 | 4 | |
| 44353705 | MUNICIPAL CLERKS | 147 | 185 | 5 | 7 | 12 | |
| 44555305 | RECEPTIONISTS, INFORMATION CLE | 1,227 | 1,483 | 32 | 52 | 84 | |
| 44555332 | INTERVIEWING CLERKS | 107 | 142 | 4 | 4 | 8 | |
| 44555335 | UTILITIES CUSTOMER SERVICE RE | 318 | 297 | -2 | 10 | 8 | |
| 44757102 | SWITCHBOARD OPERATORS | 836 | 1,023 | 23 | 37 | 60 | |
| 44757105 | DIRECTORY ASSISTANCE OPERATOR | 50 | 42 | | 2 | 2 | |
| 44757108 | CENTRAL OFFICE OPERATORS | 448 | 352 | -11 | 16 | 5 | |
| 44757305 | POSTAL MAIL CARRIERS | 1,364 | 1,351 | -1 | 30 | 29 | |
| 44757308 | POSTAL SERVICE CLERKS | 367 | 363 | | 10 | 10 | |
| 44858005 | DISPATCHERS, EXC.POLICE, FIRE | 393 | 483 | 11 | 14 | 25 | |
| 44858011 | TRANSPORTATION AGENTS | 65 | 74 | 1 | 2 | 3 | |
| 44858014 | METER READERS: UTILITIES | 234 | 267 | 4 | 5 | 9 | |
| CLUSTER TOTAL | | 6,208 | 6,787 | 76 | 205 | 281 | 280 |

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF4-PERSONNEL, LABOR REL., LAW

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| HUMAN RESOURCES DEVELOPMENT | 06.0601 | | | 7 | | | | | 7 |
| LEGAL SECRETARIAL | 07.0604 | | | 4 | | | | | 4 |
| LEGAL SECRETARY | 07.0604 | | 10 | | | | | | 10 |
| LEGAL ASSISTING | 22.0103 | | | 6 | | | | | 6 |
| COUNSELOR, NURSES' ASSOCIATION | 045.107-014 | | | | | | 1 | | 1 |
| CERTIFICATION AND SELECTION SPECIALIST | 099.167-010 | | | | 1 | | | | 1 |
| LAWYER | 110.107-010 | | | | 7 | | 6 | | 13 |
| LAWYER, CORPORATION | 110.117-022 | | | | | | 2 | | 2 |
| LEGAL INVESTIGATOR | 119.267-022 | | | | 1 | | 1 | | 2 |
| PARALEGAL ASSISTANT | 119.267-026 | | | | 2 | | 2 | | 4 |
| LOBBYIST | 165.017-010 | | | | 1 | | | | 1 |
| MANAGER, PERSONNEL | 166.117-018 | | | | 1 | | | | 1 |
| MANAGER, BENEFITS | 166.167-018 | | | | 1 | | | | 1 |
| TRAINING REPRESENTATIVE | 166.227-010 | | | | 1 | | 1 | | 2 |
| EMPLOYMENT INTERVIEWER | 166.267-010 | | | | | | 4 | | 4 |
| INVESTIGATOR | 168.267-062 | | | | | | 1 | | 1 |
| BUSINESS REPRESENTATIVE, LABOR UNION | 187.167-018 | | | | | 1 | 1 | | 2 |
| DIRECTOR, EMPLOYMENT SERVICES | 188.117-078 | | | | | | 1 | | 1 |
| LEGAL SECRETARY | 201.362-010 | | | | | 3 | 17 | | 20 |
| CLUSTER TOTAL | | 0 | 10 | 17 | 0 | 19 | 37 | 0 | 83 |

09/26/84

MONTANA D E M A N D R E P O R T

OF4-PERSONNEL, LABOR REL., LAW

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11313005 | PERSONNEL, TRAINING, LABOR REL. | 31 | 37 | 1 | 1 | 2 | |
| 22021508 | EMPLOYMENT INTERVIEWERS | 342 | 367 | 3 | 9 | 12 | |
| 22021511 | PERSONNEL, LABOR REL. SPECIAL | 433 | 492 | 7 | 14 | 21 | |
| 22021911 | COMPLIANCE OFFICERS & INSPECT | 502 | 549 | 6 | 18 | 24 | |
| 22528102 | JUDGES AND MAGISTRATES | 231 | 286 | 7 | 27 | 34 | |
| 22528108 | LAWYERS | 936 | 1,161 | 28 | 52 | 80 | |
| 22528302 | LAW CLERKS | 186 | 226 | 5 | 10 | 15 | |
| 22528305 | PARALEGAL PERSONNEL | 158 | 199 | 5 | 9 | 14 | |
| 22528399 | LEGAL OCCUPATIONS (NO DETAIL) | 2 | 2 | | | | |
| 44555314 | PERSONNEL CLERKS, EXCEPT PAYR | 289 | 328 | 5 | 12 | 17 | |
| CLUSTER TOTAL | | 3,110 | 3,647 | 67 | 152 | 219 | 83 |

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF5-SECRETARIAL OFFICE PRACTIC

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| SECRETARIAL & RELATED PROGRAMS, GENERAL | 07.0601 | 501 | | 18 | | | | | 519 |
| SECRETARIAL | 07.0606 | | 21 | 12 | | | | | 33 |
| STENOGRAPHIC | 07.0607 | | 2 | 3 | | | | | 5 |
| SECRETARIAL & RELATED PROGRAMS, OTHER | 07.0699 | | | 8 | | | | | 8 |
| SECRETARIAL & RELATED PROGRAMS | 07.0699 | | 1 | | | | | | 1 |
| SECRETARY, BOARD-OF-EDUCATION | 169.267-022 | | | | | | | 1 | 1 |
| SECRETARY | 201.362-030 | | | | | 22 | 114 | | 136 |
| STENOGRAPHER | 202.362-014 | | | | | 2 | | | 2 |
| CLERK-TYPIST | 203.362-010 | | | | | | | 54 | 54 |
| CLUSTER TOTAL | | 501 | 24 | 41 | 0 | 24 | 115 | 54 | 759 |

OF5-SECRETARIAL OFFICE PRACTIC

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 44555199 | SECRETARIES (NO DETAIL) | 5,724 | 7,241 | 190 | 254 | 444 | |
| 44555302 | STENOGRAPHERS | 579 | 651 | 9 | 25 | 34 | |
| CLUSTER TOTAL | | 6,303 | 7,892 | 199 | 279 | 478 | 759 |

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

OF6-OFFICE MANAGEMENT

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BUSINESS AND MANAGEMENT, GENERAL | 06.0101 | | | 217 | | | | | 217 |
| BUSINESS ADMINISTRATION & MANAGEMENT, G | 06.0401 | | | 321 | | | | | 321 |
| BUSINESS ADMINISTRATION & MANAGEMENT, O | 06.0499 | | | 4 | | | | | 4 |
| EDUCATION ADMINISTRATION, GENERAL | 13.0401 | | | 30 | | | | | 30 |
| MANAGER, OFFICE | 169.167-034 | | | | | 5 | 5 | | 10 |
| PROGRAM DIRECTOR, GROUP WORK | 187.117-046 | | | | | 1 | | | 1 |
| FOREIGN-SERVICE OFFICER | 188.117-106 | | | | | 1 | | | 1 |
| CONSULTANT | 189.167-010 | | | | | 2 | 1 | | 3 |
| MANAGEMENT TRAINEE | 189.167-018 | | | | | 7 | 35 | | 42 |
| RADIO STATION OPERATOR | 193.262-026 | | | | | | 1 | | 1 |
| MAILROOM SUPERVISOR | 222.137-022 | | | | | 1 | | | 1 |
| STOCK SUPERVISOR | 222.137-034 | | | | | | 1 | | 1 |
| MANAGER, TRAFFIC 2 | 237.367-030 | | | | | | 1 | | 1 |
| SUPERVISOR, TELEPHONE CLERKS | 239.132-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 572 | 0 | 17 | 45 | 0 | 634 |

OF6-OFFICE MANAGEMENT

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11313014 | ADMINISTRATIVE SERVICES MANAG | 34 | 43 | 1 | 1 | 2 | |
| 11515002 | POSTMASTERS, MAIL SUPERINTEND | 351 | 348 | | 19 | 19 | |
| 11515005 | EDUCATION ADMINISTRATORS | 1,963 | 2,284 | 40 | 67 | 107 | |
| 11919002 | PUBLIC ADMINISTRATION EXECUTI | 951 | 1,151 | 25 | 33 | 58 | |
| 11919999 | MANAGERS & ADMIN. (NO DETAIL) | 16,314 | 19,386 | 384 | 705 | 1,089 | |
| 22021105 | CREDIT ANALYSTS | 207 | 256 | 6 | 8 | 14 | |
| 22021999 | ALL OTHER MANAGEMENT SUPPORT | 15 | 18 | | 1 | 1 | |
| 22427505 | DIRECTORS:RELIGIOUS ACTIV./ED | 2 | 2 | | | | |
| 22939999 | PROFESSIONAL/TECHN. (NO DETAI | 2,483 | 2,780 | 37 | 67 | 104 | |
| 44151002 | SUPERVISORS: ADMIN. SUPPORT O | 1,407 | 1,643 | 30 | 43 | 73 | |
| 44353114 | CREDIT AUTHORIZERS | 14 | 17 | | | | |
| 55161099 | SERVICE SUPERVISORS (NO DETAI | 618 | 753 | 17 | 26 | 43 | |
| 77081099 | ALL OTHER FIRST LINE SUPERVIS | 15 | 17 | | 1 | 1 | |
| CLUSTER TOTAL | | 24,374 | 28,698 | 540 | 971 | 1,511 | 634 |

|-----S U P P L Y S O U R C E S-----|

OF7-KFY ENTRY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BUSINESS DATA ENTRY OPERATION | 07.0303 | | 14 | | | | | | 14 |
| WORD PROCESSING | 07.0608 | | 3 | | | | | | 3 |
| TERMINAL-SYSTEM OPERATOR | 203.362-018 | | | | | | 1 | | 1 |
| DATA TYPIST | 203.582-022 | | | | | 5 | 4 | | 9 |
| DATA-CODER OPERATOR | 203.582-026 | | | | | 2 | 2 | | 4 |
| KEYPUNCH OPERATOR | 203.582-030 | | | | | 4 | 16 | | 20 |
| MAGNETIC-TAPE-TYPEWRITER OPERATOR | 203.582-034 | | | | | | 1 | | 1 |
| TERMINAL OPERATOR | 203.582-054 | | | | | 5 | 1 | | 6 |
| TRANSCRIBING-MACHINE OPERATOR | 203.582-058 | | | | | | 1 | | 1 |
| COMPUTER OPERATOR | 213.362-010 | | | | | 18 | 24 | | 42 |
| COMPUTER-PERIPHERAL-EQUIPMENT OPERATOR | 213.382-010 | | | | | 1 | 2 | | 3 |
| AUXILIARY-EQUIPMENT OPERATOR, DATA PRO | 213.685-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 17 | 0 | 0 | 35 | 53 | 0 | 105 |

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MONTANA DEMAND REPORT

OF7-KEY ENTRY

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 44555311 | TYPISTS, WORD PROCESSING EQUI | 39 | 44 | 1 | 1 | 2 | 105 |
| 44656014 | PERIPHERAL EDP EQUIP. OPERATO | 191 | 210 | 2 | 5 | 7 | |
| 44656017 | DATA ENTRY KEYERS, EXC.COMPOS | 604 | 728 | 16 | 20 | 36 | |
| 44656021 | DATA ENTRY KEYERS, COMPOSING | 41 | 31 | | 1 | 1 | |
| CLUSTER TOTAL | | 875 | 1,013 | 19 | 27 | 46 | 105 |

|-----S U P P L Y S O U R C E S-----|

OF8-COMPUTER SCIENCE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| MANAGEMENT INFORMATION SYSTEMS | 06.1201 | | | 16 | | | | | 16 |
| BUSINESS DATA PROCESSING | 07.0301 | | 45 | | | | | | 45 |
| BUSINESS COMPUTER & CONSOLE OPERATOR | 07.0302 | | 8 | | | | | | 8 |
| BUSINESS DATA PROGRAMMING | 07.0305 | | 22 | | | | | | 22 |
| COMPUTER AND INFORMATION SCIENCES, GEN | 11.0101 | | | 71 | | | | | 71 |
| SYSTEMS ENGINEER, ELECTRONIC DATA PROC | 003.167-062 | | | | | | | | |
| TOOL PROGRAMER, NUMERICAL CONTROL | 007.167-018 | | | | | | 1 | | 1 |
| COMPUTER-APPLICATIONS ENGINEER | 020.062-010 | | | | | 2 | | | 2 |
| PROGRAMER, BUSINESS | 020.162-014 | | | | | 4 | 1 | | 5 |
| PROGRAMER, INFORMATION SYSTEM | 020.187-010 | | | | | 1 | | | 1 |
| MANAGER, ELECTRONIC DATA PROCESSING | 169.167-030 | | | | | 1 | | | 1 |
| CONTROL CLERK, DATA PROCESSING 1 | 221.382-014 | | | | | 6 | | | 6 |
| SALES REPRESENTATIVE, COMPUTERS AND ED | 275.257-010 | | | | | | | | |
| CLUSTER TOTAL | | 0 | 75 | 87 | 0 | 14 | 2 | 0 | 178 |

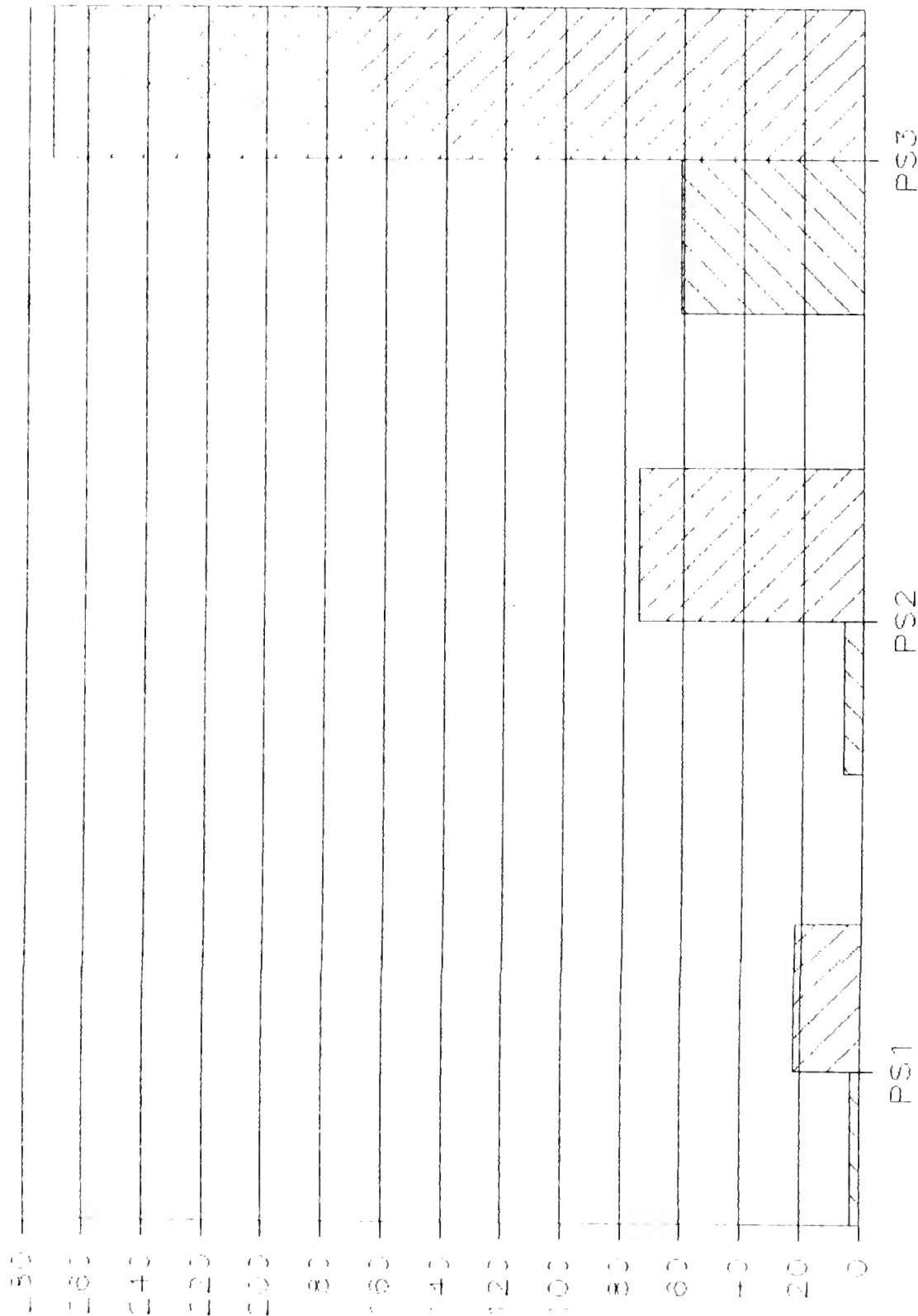
09/26/84

MONTANA D E M A N D R E P O R T

OF8-COMPUTER SCIENCE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22325102 | SYSTEMS ANALYSTS:DATA PROCESS | 386 | 428 | 5 | 4 | 9 | |
| 22325105 | COMPUTER PROGRAMMERS | 345 | 435 | 11 | 4 | 15 | |
| 22325108 | COMPUTER PROGRAMMER AIDES | 8 | 10 | | | | |
| 22325302 | OPERATIONS AND SYSTEMS ANALYS | 1 | 1 | | | | |
| 44656011 | COMPUTER OPERATORS, EXC. PERI | 548 | 785 | 30 | 9 | 39 | |
| CLUSTER TOTAL | | 1,288 | 1,659 | 46 | 17 | 63 | 178 |

PUBLIC SERVICE



 SUPPLY
  DEMAND

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

PS1-EMERGENCY MEDICAL TECH.

| TITLE | | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|------------------------------|-------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| EMERGENCY MEDICAL TECHNICIAN | | 079.374-010 | | | | | 1 | 2 | | 3 |
| CLUSTER | TOTAL | | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |

PST-EMERGENCY MEDICAL TECH.

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22732508 | EMERGENCY MEDICAL TECHNICIANS | 114 | 132 | 2 | 4 | 6 | |
| 55666023 | AMBULANCE DRIVER, ATTENDANTS | 223 | 262 | 5 | 11 | 16 | |
| CLUSTER TOTAL | | 337 | 394 | 7 | 15 | 22 | 3 |

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

PS2-FIRE & FIRE SAFETY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| FIRE CONTROL & SAFETY TECHNOLOGIES | 43.0201 | | | 3 | | | | | 3 |
| FIRE FIGHTER | 373.364-010 | | | | | | 2 | | 2 |
| FIRE FIGHTER, CRASH, FIRE, AND RESCUE | 373.663-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 6 |

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PS2-FIRE & FIRE SAFETY

MONTANA D E M A N D REPORT

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY- MENT-1982 | PROJ EMPLOY- MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|----------------------------------|---------------------------------|------------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 44858002 | DISPATCHER; POLICE, FIRE, AMBULA | 602 | 732 | 16 | 20 | 36 | |
| 55161002 | FIRE FIGHTING SUPERVISORS | 152 | 190 | 5 | 3 | 8 | |
| 55363002 | FIRE INSPECTORS | 50 | 61 | 1 | 1 | 2 | |
| 55363008 | FIRE FIGHTERS | 610 | 760 | 19 | 10 | 29 | |
| CLUSTER TOTAL | | 1,414 | 1,743 | 41 | 34 | 75 | 6 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

PS3-POLICE SCIENCE/CRIMINOLOGY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| LAW ENFORCEMENT | 43.0107 | | | 8 | | | | | 8 |
| CRIMINOLOGY | 45.0401 | | | 13 | | | | | 13 |
| CUSTOMS PATROL OFFICER | 168.167-010 | | | | | 1 | | | 1 |
| PARK RANGER | 169.167-042 | | | | | | 1 | | 1 |
| SECURITY OFFICER | 189.167-034 | | | | | 2 | 1 | | 3 |
| PROBATION OFFICER | 195.167-034 | | | | | 2 | 1 | | 3 |
| POLICE AIDE | 243.362-014 | | | | | 1 | | | 1 |
| DISPATCHER, SECURITY GUARD | 372.167-010 | | | | | | 1 | | 1 |
| GUARD, CHIEF | 372.167-014 | | | | | | 1 | | 1 |
| JAILER | 372.367-014 | | | | | | 1 | | 1 |
| GATE TENDER | 372.667-030 | | | | | 1 | | | 1 |
| GUARD, SECURITY | 372.667-034 | | | | | 3 | 7 | | 10 |
| MERCHANT PATROLLER | 372.667-038 | | | | | 1 | 1 | | 2 |
| POLICE OFFICER 1 | 375.263-014 | | | | | 1 | | | 1 |
| POLICE OFFICER 2 | 375.367-010 | | | | | | 2 | | 2 |
| PARKING ENFORCEMENT OFFICER | 375.587-010 | | | | | | 1 | | 1 |
| HOUSE OFFICER | 376.367-018 | | | | | | 1 | | 1 |
| ANIMAL TREATMENT INVESTIGATOR | 379.263-010 | | | | | | 1 | | 1 |
| DISPATCHER, RADIO | 379.362-010 | | | | | 1 | 6 | | 7 |
| DOG CATCHER | 379.673-010 | | | | | 1 | | | 1 |
| DIVER | 899.261-010 | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 21 | 0 | 15 | 25 | 0 | 61 |

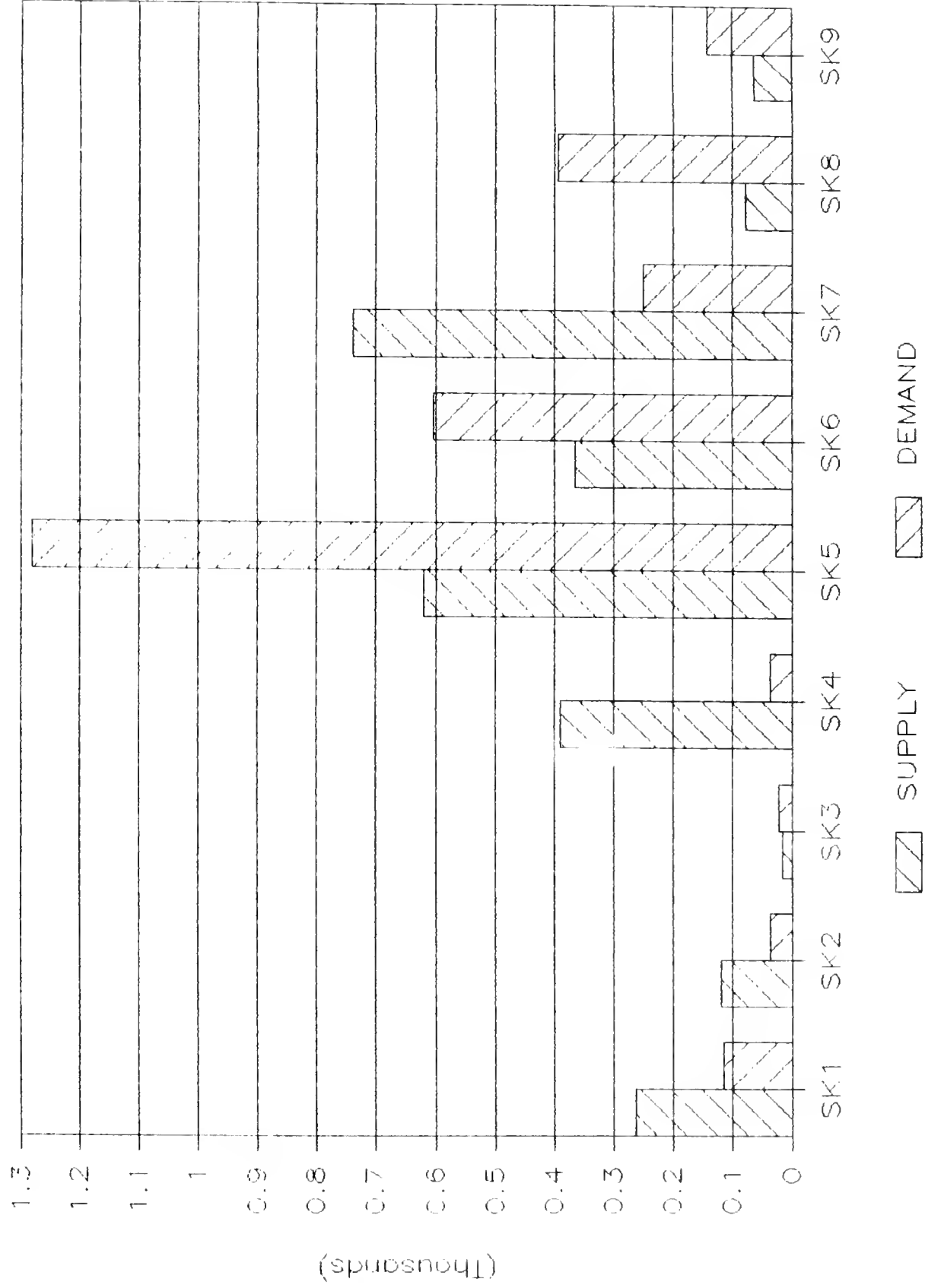
09/26/84

MONTANA D E M A N D R E P O R T

PS3-POLICE SCIENCE/CRIMINOLOGY

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|----------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 44858002 | DISPATCHER; POLICE, FIRE, AMBULA | | | | | | |
| 55161005 | POLICE AND DETECTIVE SUPERVIS | 258 | 307 | 6 | 5 | 11 | |
| 55363011 | POLICE DETECTIVES | 160 | 191 | 4 | 3 | 7 | |
| 55363014 | POLICE PATROL OFFICERS | 1,293 | 1,580 | 36 | 24 | 60 ¹ | |
| 55363017 | CORRECTION OFFICERS AND JAIL | 378 | 427 | 6 | 31 | 37 | |
| 55363021 | PARKING ENFORCEMENT OFFICERS | 61 | 77 | 2 | 1 | 3 | |
| 55363023 | BAILIFFS | 34 | 43 | 1 | 2 | 3 | |
| 55363026 | U.S. MARSHALLS | 14 | 15 | | 1 | 1 | |
| 55363032 | SHERIFFS AND DEPUTY SHERIFFS | 195 | 245 | 6 | 10 | 16 | |
| 55363038 | RAILROAD POLICE & SPECIAL AGE | 21 | 17 | | | | |
| 55363047 | GUARDS AND WATCH GUARDS | 1,405 | 1,868 | 58 | 76 | 134 | |
| CLUSTER TOTAL | | 3,819 | 4,770 | 119 | 153 | 272 | 61 |

SKILLS



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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SKT-FLCTRICAI

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA CORPS | JOB CORPS | SUPPLY TOTALS |
|---|-------------|---------------|------------------|---------------|------------------|--------------|---------------|--------------|------------------|
| ELECTRICAL TECHNOLOGY | 05.0302 | | 5 | | | | | | 5 |
| ELECTRONIC TECHNOLOGY | 05.0303 | | 42 | | | | | | 42 |
| LINEWORKER (PHONE INSTALLATION) | 46.0303 | | | | 110 | | | | 110 |
| ELECTRICAL & POWER TRANSMISSION INSTAL | 46.0399 | | | 4 | | | | | 4 |
| HEATING, AIR COND., & REFRIG. MECHANICS | 47.0201 | | 30 | | | | | | 30 |
| ELECTRICAL ENGINEER | 003.061-010 | | | | | 6 | | | 6 |
| ELECTRICAL RESEARCH ENGINEER | 003.061-026 | | | | | 1 | | | 1 |
| ELECTRICAL TECHNICIAN | 003.161-010 | | | | | 2 | 1 | | 3 |
| ELECTRICAL ENGINEER, POWER SYSTEM | 003.167-018 | | | | | 2 | | | 2 |
| ENGINEER-IN-CHARGE, STUDIO OPERATIONS | 003.167-030 | | | | | | 2 | | 2 |
| SYSTEMS ENGINEER, ELECTRONIC DATA PROC | 003.167-062 | | | | | 1 | 1 | | 2 |
| INSTRUMENTATION TECHNICIAN | 003.261-010 | | | | | | | | |
| OFFICE-MACHINE SERVICER | 633.281-018 | | | | | 1 | 3 | | 4 |
| PINSETTER MECHANIC, AUTOMATIC | 638.261-022 | | | | | | 1 | | 1 |
| ELECTRIC-MOTOR REPAIRER | 721.281-018 | | | | | | 1 | | 1 |
| ELECTRICAL-APPLIANCE REPAIRER | 723.381-010 | | | | | 1 | | | 1 |
| VACUUM CLEANER REPAIRER | 723.381-014 | | | | | | 2 | | 2 |
| APPLIANCE REPAIRER | 723.584-010 | | | | | | 3 | | 3 |
| CABLE MAKER | 728.684-010 | | | | | | 1 | | 1 |
| REPAIRER, SWITCHGEAR | 729.684-038 | | | | | | 1 | | 1 |
| ASSEMBLER, ELECTRICAL ACCESSORIES 1 | 729.687-010 | | | | | | 1 | | 1 |
| STATION INSTALLER-AND-REPAIRER | 822.261-022 | | | | | | 1 | | 1 |
| TESTING-AND-REGULATING TECHNICIAN | 822.261-026 | | | | | | 1 | | 1 |
| PRIVATE-BRANCH-EXCHANGE REPAIRER | 822.281-022 | | | | | | 2 | | 2 |

09/26/84

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

SK1-ELECTRICAL

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| LINE INSTALLER-REPAIRER | 822.381-014 | | | | | | 1 | | 1 |
| ANTENNA INSTALLER | 823.684-010 | | | | | | 1 | | 1 |
| ELECTRICIAN | 824.261-010 | | | | | 4 | 11 | | 15 |
| ELECTRICIAN APPRENTICE | 824.261-014 | | | | | | 1 | 9 | 10 |
| ELECTRICAL-APPLIANCE SERVICER | 827.261-010 | | | | | | 5 | | 5 |
| HOUSEHOLD-APPLIANCE INSTALLER | 827.661-010 | | | | | | 3 | | 3 |
| ELECTRICAL REPAIRER | 829.281-014 | | | | | 1 | | | 1 |
| ELECTRICIAN HELPER | 829.684-022 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 77 | 4 | 110 | 21 | 42 | 9 | 263 |

SK1-ELECTRICAL

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122505 | ELECTRICAL ENGINEERING TECHN. | 862 | 1,026 | 21 | 11 | 32 | |
| 77285502 | CENTRAL OFFICE & PBX INSTALLE | 270 | 228 | -4 | 3 | -1 | |
| 77285505 | FRAME WIRERS: CENTRAL OFFICE | 495 | 433 | -7 | 5 | -2 | |
| 77285702 | TELEPHONE, CABLE TV INSTALLE | 871 | 866 | | 10 | 10 | |
| 77285708 | HOME ENTERTAINMENT EQ. REPAIR | 133 | 158 | 3 | 5 | 8 | |
| 77285711 | ELECTRIC HOME APPL. REPAIRERS | 132 | 155 | 3 | 4 | 7 | |
| 77285714 | ELECTRIC MOTOR REPAIRERS | 32 | 37 | 1 | 1 | 2 | |
| 77285723 | ELECTRICAL POWERLINE INSTALLE | 52 | 57 | 1 | 1 | 2 | |
| 77285908 | ELECTROMED./BIOMEDICAL REPAIR | 19 | 24 | 1 | 1 | 2 | |
| 77285911 | ELECTRIC METER INSTALLERS | 7 | 7 | | | | |
| 77285947 | COIN & VENDING MACHINE SERVIC | 109 | 135 | 3 | 3 | 6 | |
| 77387202 | ELECTRICIANS | 1,393 | 1,556 | 20 | 29 | 49 | |
| 77998313 | HELPERS:ELECTRICIANS | 44 | 41 | | 1 | 1 | |
| CLUSTER TOTAL | | 4,419 | 4,723 | 42 | 74 | 116 | 263 |

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK2-ELECTRONICS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| ELECTRICAL & ELECTRONICS EQUIP. | 47.0101 | 47 | | | | | | | 47 |
| ELECTRONICS ENGINEER | 003.061-030 | | | | | | 1 | 1 | 1 |
| ELECTRONICS TECHNICIAN | 003.161-014 | | | | | 10 | 10 | | 20 |
| DRAFTER, ELECTRONIC | 003.281-014 | | | | | | | | |
| VIDEO OPERATOR | 194.282-010 | | | | | 1 | | | 1 |
| RECORDING ENGINEER | 194.362-010 | | | | | 2 | | | 2 |
| ELECTRONIC-PRODUCTION-LINE-MAINTENANCE | 629.281-022 | | | | | | 1 | 1 | 1 |
| CASH-REGISTER SERVICER | 633.281-010 | | | | | | 2 | | 2 |
| OFFICE-MACHINE-SERVICER APPRENTICE | 633.281-022 | | | | | 1 | | | 1 |
| TELEVISION-AND-RADIO REPAIRER | 720.281-018 | | | | | 3 | 4 | | 7 |
| ELECTRONICS ASSEMBLER, DEVELOPMENTAL | 726.261-010 | | | | | 1 | 7 | | 8 |
| ELECTRONICS TESTER 1 | 726.281-014 | | | | | 1 | | | 1 |
| ELECTRONICS ASSEMBLER | 726.684-018 | | | | | | 3 | | 3 |
| ELECTRONICS WORKER | 726.687-010 | | | | | 1 | | | 1 |
| CABLE MAKER | 728.684-010 | | | | | | | | |
| STATION INSTALLER-AND-REPAIRER | 822.261-022 | | | | | | 2 | | 2 |
| PRIVATE-BRANCH-EXCHANGE REPAIRER | 822.281-022 | | | | | | 1 | | 1 |
| AVIONICS TECHNICIAN | 823.281-010 | | | | | 1 | | | 1 |
| METEOROLOGICAL-EQUIPMENT REPAIRER | 823.281-018 | | | | | 2 | 1 | | 3 |
| TELEVISION INSTALLER | 823.361-010 | | | | | | 1 | | 1 |
| ANTENNA INSTALLER | 823.684-010 | | | | | | 1 | | 1 |
| ELECTRONIC-SALES-AND-SERVICE TECHNICIA | 828.251-010 | | | | | | 2 | | 2 |
| FIELD ENGINEER | 828.261-014 | | | | | 1 | | | 1 |
| ELECTRONICS MECHANIC | 828.281-010 | | | | | 6 | 3 | | 9 |

-----S U P P L Y S O U R C E S-----|

SK2-ELECTRONICS

| TITLE | CODE | PUBLIC | | VO-ED | HIGHER | PROP. | VOC | CETA | JOB | SUPPLY |
|---------------------------------|-------------|--------|-----|-------|--------|---------|-------|------|-----|--------|
| | | SEC | ED. | | | SCHOOLS | REHAB | | | TOTALS |
| ELECTRONICS-MECHANIC APPRENTICE | 828.281-014 | | | | | | | 3 | | 3 |
| SOUND TECHNICIAN | 829.281-022 | | | | | | 1 | | | 1 |
| CLUSTER TOTAL | | 47 | 0 | 0 | 0 | 0 | 31 | 42 | 0 | 120 |

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MONTANA D E M A N D R E P O R T

SK2-ELECTRONICS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122126 | ELECTRICAL/ELECTRONIC ENGINE | 452 | 489 | 5 | 7 | 12 | |
| 22834028 | BROADCAST TECHNICIANS | 130 | 140 | 1 | 2 | 3 | |
| 22939008 | RADIO OPERATORS | 4 | 5 | | | | |
| 44757111 | TELEGRAPH AND TELETYPE OPERAT | 110 | 88 | -2 | 4 | 2 | |
| 77285511 | SIGNAL OR SWITCH MAINTAINERS | 56 | 45 | | 2 | 2 | |
| 77285514 | RADIO MECHANICS | 21 | 23 | | | | |
| 77285705 | DATA PROCESSING EQUIP. REPAIR | 36 | 46 | 1 | | 1 | |
| 77285717 | INDUSTRIAL ELECTRONICS REPAIR | 80 | 88 | 1 | 3 | 4 | |
| 77285726 | TELEPHONE STATION INSTALLERS | 31 | 34 | | | | |
| 77285926 | OFFICE MACHINE SERVICER | 186 | 240 | 7 | 3 | 10 | |
| 77693114 | ELECTRICAL, ELECTRONIC ASSEMB | 53 | 74 | 3 | 2 | 5 | |
| 77897317 | RAILROAD BRAKE, SIGNAL, SWITC | 709 | 564 | -17 | 14 | -3 | |
| CLUSTER TOTAL | | 1,868 | 1,836 | -1 | 37 | 36 | 120 |

-----SUPPLY SOURCES-----|

SK3-AIR CONDITIONING & REFRIG

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| HEAT-TRANSFER TECHNICIAN | 007.181-010 | | | | | | | | |
| AIR-CONDITIONING MECHANIC | 620.281-010 | | | | | 1 | | | 1 |
| ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER | 637.261-014 | | | | | 4 | 3 | | 7 |
| REFRIGERATION MECHANIC | 637.261-026 | | | | | 2 | 5 | | 7 |
| ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER | 637.664-010 | | | | | | | | |
| AIR-CONDITIONING INSTALLER, DOMESTIC | 827.464-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 0 | 0 | 7 | 9 | 0 | 16 |

SK3-AIR CONDITIONING & REFRIG

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 77285902 | HEATING, A.C., REFRIGERATION ME | 176 | 262 | 11 | 5 | 16 | |
| 77285944 | GAS APPLIANCE REPAIRERS | 66 | 79 | 2 | 2 | 4 | |
| 77592928 | COOLING, FREEZING EQUIP. OPER | 23 | 22 | | 1 | 1 | |
| CLUSTER TOTAL | | 265 | 363 | 13 | 8 | 21 | 16 |

09/26/84

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK4-WELDING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| WELDING TECHNOLOGY | 15.0610 | | | | 55 | | | | 55 |
| WELDING TECHNOLOGIES | 15.0610 | | | 6 | | | | | 6 |
| WELDING, BRAZING, AND SOLDERING | 48.0508 | 72 | 97 | | | | | | 169 |
| WELDER APPRENTICE, ARC | 810.384-010 | | | | | 1 | | | 1 |
| WELDER, ARC | 810.384-014 | | | | | | 2 | | 2 |
| WELDING-MACHINE OPERATOR, GAS | 811.482-010 | | | | | | 1 | | 1 |
| WELDER APPRENTICE, GAS | 811.684-010 | | | | | 1 | | | 1 |
| WELDER, GAS | 811.684-014 | | | | | 2 | 1 | | 3 |
| SOLDERER-ASSEMBLER | 813.684-014 | | | | | | 1 | | 1 |
| THERMAL CUTTER, HAND 1 | 816.464-010 | | | | | 1 | | | 1 |
| WELD INSPECTOR 1 | 819.281-018 | | | | | 1 | | | 1 |
| WELDER-FITTER | 819.361-010 | | | | | 1 | 2 | | 3 |
| WELDER-ASSEMBLER | 819.381-010 | | | | | 1 | 2 | | 3 |
| WELDER APPRENTICE, COMBINATION | 819.384-008 | | | | | 3 | 3 | | 6 |
| WELDER, COMBINATION | 819.384-010 | | | | | 5 | 45 | 85 | 135 |
| WELDER HELPER | 819.687-014 | | | | | | 1 | | 1 |
| DIVER | 899.261-010 | | | | | | | | |
| CLUSTER TOTAL | | 72 | 97 | 6 | 55 | 16 | 58 | 85 | 389 |

09/26/84

MONTANA D E M A N D R E P O R T

SK4-WELDING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 77591702 | WELDING MACHINE SETTER/OPERAT | 75 | 94 | 2 | 3 | 5 | |
| 77591705 | WELDING MACHINE OPERATORS | 38 | 49 | 1 | 1 | 2 | |
| 77693914 | WELDERS AND CUTTERS | 774 | 872 | 12 | 17 | 29 | |
| CLUSTER TOTAL | | 887 | 1,015 | 15 | 21 | 36 | 389 |

-----SUPPLY SOURCE-----|

SK5-CARPENTRY & CONST. TRADE

| TITLF | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CARPENTRY | 46.0201 | 109 | 15 | 3 | | | | | 127 |
| FURNITURE MAKING | 48.0702 | | | | 18 | | | | 18 |
| CONTRACTOR | 182.167-010 | | | | | | | | |
| LABORER, GENERAL | 509.686-010 | | | | | | 31 | | 31 |
| LABORER, GENERAL | 559.685-110 | | | | | | 1 | | 1 |
| BENDER, MACHINE | 569.685-014 | | | | | | 1 | | 1 |
| LABORER, CONCRETE-MIXING PLANT | 579.665-014 | | | | 1 | | | | 1 |
| CABINETMAKER | 660.280-010 | | | | 2 | | 2 | | 4 |
| CABINETMAKER APPRENTICE | 660.280-014 | | | | | | 1 | | 1 |
| MODEL MAKER, WOOD | 661.380-010 | | | | | | 1 | | 1 |
| MOLDER OPERATOR | 665.682-018 | | | | | | | | |
| ASSEMBLER | 754.684-010 | | | | | | 1 | | 1 |
| CABINET ASSEMBLER | 763.684-014 | | | | | 2 | 2 | | 4 |
| FURNITURE ASSEMBLER | 763.684-038 | | | | | 1 | 15 | | 16 |
| REPAIRER, ASSEMBLED WOOD PRODUCTS | 769.684-038 | | | | | | 1 | | 1 |
| WOODWORKING-SHOP HAND | 769.687-054 | | | | | 1 | 2 | | 3 |
| STRUCTURAL-STEEL WORKER | 801.361-014 | | | | | | 1 | | 1 |
| PAINTER, CONSTRUCTION | 840.381-010 | | | | | | | 36 | 36 |
| PAINTER, PAPER HANGER | 840.381-010 | | | | | | | 6 | 6 |
| PAINTER | 840.381-010 | | | | | | 13 | | 13 |
| DRY-WALL APPLICATOR | 842.381-010 | | | | | | 1 | | 1 |
| TAPER | 842.664-010 | | | | | | 2 | | 2 |
| CEMENT MASON | 844.364-010 | | | | | | 2 | | 2 |
| MASON, CEMENT APPRENTICE | 844.364-014 | | | | | | | 5 | 5 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK5-CARPENTRY & CONST. TRADE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CARPENTER, MAINTENANCE | 860.281-010 | | | | | | 2 | | 2 |
| ACOUSTICAL CARPENTER | 860.381-010 | | | | | | 1 | | 1 |
| BOATBUILDER, WOOD | 860.381-018 | | | | | | 1 | | 1 |
| CARPENTER (CONST.) | 860.381-022 | | | | | 2 | 27 | 16 | 45 |
| CARPENTER, APPRENTICE CONSTRUCTION | 860.381-026 | | | | | | | 38 | 38 |
| CARPENTER, APPRENTICE | 860.381-026 | | | | | | | 13 | 13 |
| CARPENTER APPRENTICE | 860.381-026 | | | | | | 11 | | 11 |
| CARPENTER, ROUGH | 860.381-042 | | | | | | 1 | | 1 |
| SHIPWRIGHT HELPER | 860.664-018 | | | | | 1 | | | 1 |
| BRICKLAYER | 861.381-018 | | | | | | 2 | | 2 |
| BRICKLAYER APPRENTICE | 861.381-022 | | | | | | | 18 | 18 |
| STONEMASON APPRENTICE | 861.381-042 | | | | | 1 | | | 1 |
| TILE SETTER | 861.381-054 | | | | | | 1 | | 1 |
| PLUMBER SUPERVISOR | 862.131-018 | | | | | 1 | | | 1 |
| PIPE-FITTER APPRENTICE | 862.381-026 | | | | | 1 | 1 | | 2 |
| PLUMBER | 862.381-030 | | | | | 1 | 8 | | 9 |
| BUILDING-INSULATION SUPERVISOR | 863.134-010 | | | | | | 5 | | 5 |
| BLOWER INSULATOR | 863.664-010 | | | | | | 3 | | 3 |
| CARPET LAYER | 864.381-010 | | | | | | 4 | | 4 |
| GLAZIER | 865.381-010 | | | | | | 1 | | 1 |
| ROOFER | 866.381-010 | | | | | | 5 | | 5 |
| FENCE-ERECTOR SUPERVISOR | 869.134-010 | | | | | | 2 | | 2 |
| SIGN ERECTOR-AND-REPAIRER | 869.361-018 | | | | | | 2 | | 2 |
| CONCRETE-BUILDING ASSEMBLER | 869.664-010 | | | | | | 2 | | 2 |

SK5-CARPENTRY & CONST. TRADE

-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CONSTRUCTION WORKER 1 | 869.664-014 | | | | | 3 | 87 | | 90 |
| ASSEMBLER | 869.684-010 | | | | | | 2 | | 2 |
| ASSEMBLER, SKYLIGHTS | 869.684-014 | | | | | | 6 | | 6 |
| INSTALLER | 869.684-026 | | | | | | 1 | | 1 |
| AWNING-HANGER HELPER | 869.687-010 | | | | | | 1 | | 1 |
| CAMOUFLAGE ASSEMBLER | 869.687-014 | | | | | | 20 | | 20 |
| CONSTRUCTION WORKER 2 | 869.687-026 | | | | | 2 | 49 | | 51 |
| FURNACE-INSTALLER-AND-REPAIRER HELPER, | 869.687-030 | | | | | | 1 | | 1 |
| KILN DRAWER | 929.687-014 | | | | | | 2 | | 2 |
| CLUSTER TOTAL | | 109 | 15 | 3 | 18 | 19 | 325 | 132 | 621 |

SK5-CARPENTRY & CONST. TRADE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 44858099 | MATERIAL WORKERS (NO DETAIL) | 74 | 68 | | 2 | 2 | |
| 77081005 | FIRST LINE SUPERV.:CONST,EXTR | 8 | 9 | | | | |
| 77081017 | FIRST LINE SUPERV.:HELP,LABOR | 25 | 31 | 1 | 1 | 2 | |
| 77285132 | MAINTENANCE REPAIRERS, GENERA | 2,423 | 2,916 | 62 | 242 | 304 | |
| 77285938 | INSTALLERS: MANUFACTURED BLDG | 55 | 79 | 3 | 6 | 9 | |
| 77387102 | CARPENTERS | 2,150 | 3,179 | 129 | 96 | 225 | |
| 77387105 | CEILING TILE INSTALLERS | 12 | 19 | 1 | | 1 | |
| 77387108 | DRYWALL INSTALLERS | 12 | 19 | 1 | | 1 | |
| 77387111 | TAPERS | 3 | 5 | | | | |
| 77387114 | LATHERS | 6 | 10 | 1 | | 1 | |
| 77387302 | BRICK MASONS | 170 | 257 | 11 | 5 | 16 | |
| 77387305 | STONE MASONS | 11 | 17 | 1 | | 1 | |
| 77387308 | HARD TILE SETTERS | 4 | 6 | | | | |
| 77387311 | CONCRETE AND TERRAZZO FINISHE | 248 | 385 | 17 | 7 | 24 | |
| 77387314 | REINFORCING METAL WORKERS | 390 | 430 | 5 | 10 | 15 | |
| 77387317 | PLASTERERS AND STUCCO MASONS | 10 | 16 | 1 | | 1 | |
| 77387402 | PAINTERS AND PAPERHANGERS | 311 | 369 | 7 | 17 | 24 | |
| 77387502 | PLUMBER, PIPEFITTER, STEAMFIT | 1,045 | 1,328 | 35 | 34 | 69 | |
| 77387508 | PIPELAYERS | 84 | 76 | | 2 | 2 | |
| 77387602 | CARPET INSTALLERS | 43 | 61 | 2 | 1 | 3 | |
| 77387608 | FLOOR SANDING MACHINE OPERATO | 1 | 1 | | | | |
| 77387702 | AIR HAMMER OPERATORS | 35 | 28 | | 1 | 1 | |
| 77387711 | HIGHWAY MAINTENANCE WORKERS | 533 | 670 | 17 | 15 | 32 | |
| 77387802 | INSULATION WORKERS | 137 | 150 | 2 | 2 | 4 | |
| 77387808 | ROOFERS | 114 | 147 | 4 | 2 | 6 | |

SK5-CARPENTRY & CONST. TRADE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY- MENT-1982 | PROJ EMPLOY- MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE- MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|---------------------------------|------------------------------|-------------------|------------------------------|-------------------------------|--------|
| 77387811 | GLAZIERS | 175 | 233 | 7 | 5 | 12 | |
| 77387817 | FENCE ERECTORS | 97 | 126 | 4 | 3 | 7 | |
| 77387899 | CONSTRUCTION WORKERS (NO DETA | 142 | 176 | 4 | 6 | 10 | |
| 77387905 | BLASTERS AND EXPLOSIVES WORKE | 41 | 47 | 1 | 1 | 2 | |
| 77489311 | CABINETMAKERS & BENCH CARPENT | 162 | 239 | 10 | 9 | 19 | |
| 77489314 | FURNITURE FINISHERS | 13 | 17 | 1 | 1 | 2 | |
| 77592311 | WOODWORKING MACHINE SETTER/OP | 80 | 107 | 3 | 8 | 11 | |
| 77998311 | HELPERS:MASONS & TILE SETTERS | 83 | 129 | 6 | 3 | 9 | |
| 77998312 | HELPERS:CARPENTERS | 279 | 426 | 18 | 11 | 29 | |
| 77998314 | HELPERS:PAINTERS, PLASTERERS | 4 | 6 | | | | |
| 77998315 | HELPERS:PLUMBERS, PIPEFITTERS | 153 | 232 | 10 | 6 | 16 | |
| 77998316 | HELPERS:ROOFERS | 50 | 61 | 1 | 2 | 3 | |
| 77998319 | HELPERS:ALL OTHER CONSTRUCTIO | 1,570 | 1,842 | 34 | 35 | 69 | |
| 77998799 | HAND MATERIAL MOVERS (NO DETA | 1,317 | 1,552 | 29 | 35 | 64 | |
| 77998999 | HAND LABORERS (NO DETAIL) | 6,014 | 6,864 | 106 | 178 | 284 | |
| CLUSTER TOTAL | | 18,084 | 22,333 | 534 | 746 | 1,280 | 621 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

SK6-HEAVY EQUIP. MECH.& OPER.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| DIESEL TECHNOLOGY | 15.7898 | | | 24 | | | | | 24 |
| HEAVY EQUIP., MAINT., & REPAIR | 47.0302 | | 19 | | | | | | 19 |
| DIESEL ENGINE MECHANICS | 47.0605 | | 26 | | | | | | 26 |
| TRUCK & DIESEL MECHANIC | 47.0699 | | 26 | | | | | | 26 |
| CONSTRUCTION EQUIP. OPERATION | 49.0202 | | 10 | | | | | | 10 |
| ENGINEER | 197.130-010 | | | | | 1 | | | 1 |
| DIESEL MECHANIC | 620.261-022 | | | | | | | 22 | 22 |
| CONSTRUCTION-EQUIPMENT MECHANIC | 620.261-022 | | | | | | | 4 | 4 |
| MECHANIC, INDUSTRIAL TRUCK | 620.281-050 | | | | | | | 1 | 1 |
| AIRFRAME-AND-POWER-PLANT MECHANIC | 621.281-014 | | | | | 2 | | | 3 |
| AIRFRAME-AND-POWER-PLANT-MECHANIC APPR | 621.281-018 | | | | | | | 1 | 1 |
| DIESEL MECHANIC | 625.281-010 | | | | | | | 10 | 10 |
| DIESEL-MECHANIC APPRENTICE | 625.281-014 | | | | | 1 | | 4 | 5 |
| OIL-FIELD EQUIPMENT MECHANIC | 629.381-014 | | | | | | | 1 | 1 |
| SCALE ASSEMBLY SET-UP WORKER | 710.360-010 | | | | | | | 1 | 1 |
| ASSEMBLER, MINING MACHINERY | 801.261-010 | | | | | | | 1 | 1 |
| UTILITY-TRACTOR OPERATOR | 850.683-046 | | | | | | | 1 | 1 |
| ROAD-OILING-TRUCK DRIVER | 853.663-018 | | | | | | | 1 | 1 |
| WELL-DRILL OPERATOR | 859.362-010 | | | | | | | 1 | 1 |
| OPERATING ENGINEER | 859.683-010 | | | | | 2 | | | 2 |
| HEAVY EQUIPMENT OPERATOR | 859.633-010 | | | | | | | 76 | 76 |
| OPERATING ENGINEER | 859.683-010 | | | | | | | 12 | 12 |
| OPERATING-ENGINEER APPRENTICE | 859.683-014 | | | | | | | 8 | 8 |
| ROUSTABOUT | 869.684-046 | | | | | | | 1 | 1 |

|-----S U P P L Y S O U R C E S-----|

SK6-HEAVY EQUIP. MECH.& OPER.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| HIGHWAY-MAINTENANCE WORKER | 899.684-014 | | | | | | 3 | | 3 |
| CONCRETE-MIXING-TRUCK DRIVER | 900.683-010 | | | | | | 1 | | 1 |
| DUMP-TRUCK DRIVER | 902.683-010 | | | | | 1 | | | 2 |
| TANK-TRUCK DRIVER | 903.683-018 | | | | | | 1 | | 1 |
| TRACTOR-TRAILER-TRUCK DRIVER | 904.383-010 | | | | | | 10 | | 10 |
| LOG-TRUCK DRIVER | 904.683-010 | | | | | | 2 | | 2 |
| TRUCK DRIVER, HEAVY | 905.663-014 | | | | | 5 | 47 | | 52 |
| WATER-TRUCK DRIVER 2 | 905.683-010 | | | | | | 1 | | 1 |
| STEVEDORE 1 | 911.663-014 | | | | | | 1 | | 1 |
| LOADER 1 | 914.667-010 | | | | | 1 | | | 1 |
| BALING-MACHINE TENDER | 920.685-010 | | | | | | 1 | | 1 |
| MATERIAL-HANDLING SUPERVISOR | 921.133-018 | | | | | | 1 | | 1 |
| RIGGER | 921.260-010 | | | | | 1 | | | 1 |
| YARDING ENGINEER | 921.663-066 | | | | | | 1 | | 1 |
| BOAT-HOIST OPERATOR | 921.683-010 | | | | | | 1 | | 1 |
| CONVEYOR OPERATOR | 921.683-026 | | | | | | 2 | | 2 |
| FRONT-END LOADER OPERATOR | 921.683-042 | | | | | | 1 | | 1 |
| COOKER LOADER | 921.685-030 | | | | | | 1 | | 1 |
| YARD SUPERVISOR, BUILDING MATERIALS OR | 929.137-030 | | | | | | 2 | | 2 |
| LOGGING-TRACTOR OPERATOR | 929.683-010 | | | | | | 10 | | 10 |
| ROTARY DRILLER | 930.382-026 | | | | | | 2 | | 2 |
| DRILLER HELPER | 930.666-010 | | | | | | 1 | | 1 |
| DERRICK WORKER, WELL SERVICE | 930.683-018 | | | | | | 1 | | 1 |
| MECHANICAL-SHOVEL OPERATOR | 932.683-018 | | | | | 1 | | | 1 |

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

SK6-HEAVY EQUIP. MECH.& OPER.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-------|------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
|-------|------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|

LABORER 939.687-018 8 8

CLUSTER TOTAL

0 81 24 0 15 147 98 365

SK6-HEAVY EQUIP. MECH.& OPER.

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 66373011 | LOGGING TRACTOR OPERATORS | 368 | 496 | 16 | 10 | 26 | |
| 77285123 | MILLWRIGHTS | 270 | 327 | 7 | 8 | 15 | |
| 77285311 | BUS, TRUCK, HEAVY EQUIP MECHA | 1,878 | 2,238 | 45 | 52 | 97 | |
| 77285935 | RIGGERS | 15 | 10 | | 1 | 1 | |
| 77387708 | PAVING, SURFACING, TAMPING | 19 | 17 | | | | |
| 77387714 | RAIL-TRACK LAYING EQUIP. OPER | 29 | 23 | | 1 | 1 | |
| 77387902 | EARTH DRILLERS, EXC. OIL & GA | 96 | 127 | 4 | 3 | 7 | |
| 77387911 | DRILL OPERATORS, EXTRACTION | 475 | 513 | 5 | 12 | 17 | |
| 77387921 | ROUSTABOUTS | 1,364 | 1,477 | 14 | 29 | 43 | |
| 77387923 | ROOF BOLTERS | 14 | 27 | 2 | 1 | 3 | |
| 77387943 | MINE CUTTING MACHINE OPERATOR | 102 | 139 | 5 | 3 | 8 | |
| 77897102 | TRUCK DRIVERS, HEAVY | 2,474 | 3,085 | 76 | 88 | 164 | |
| 77897308 | RAIL YARD ENGINEERS,DINKEY OP | 261 | 217 | -5 | 12 | 7 | |
| 77897905 | TANK CAR AND TRUCK LOADERS | 15 | 14 | | | | |
| 77897923 | EXCAVATION/LOADING MACHINE OP | 28 | 37 | 1 | 1 | 2 | |
| 77897928 | DREDGE OPERATORS, DIPPER TEND | 4 | 3 | | | | |
| 77897938 | GRADER, DOZER, SCRAPER OPER. | 12 | 15 | | | | |
| 77897941 | HOIST, WINCH, AND CRANE OPER. | 426 | 445 | 2 | 10 | 12 | |
| 77897947 | INDUSTRIAL TRUCK/TRACTOR OPER | 899 | 1,121 | 28 | 16 | 44 | |
| 77897956 | OPERATING ENGINEERS | 2,956 | 3,544 | 74 | 78 | 152 | |
| 77897999 | MATERIAL MOVING OPER.(NO DETA | 80 | 100 | 3 | 2 | 5 | |
| CLUSTER TOTAL | | 11,785 | 13,975 | 277 | 327 | 604 | 365 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SK7-AUTO. & ENGINE MECHANICS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| AUTOMOTIVE TECHNOLOGY | 15.0803 | | | 39 | | | | | 39 |
| AUTOMOTIVE BODY REPAIR | 47.0603 | 12 | 25 | | | | | | 37 |
| AUTOMOTIVE MECHANICS | 47.0604 | 244 | 113 | | | | | | 357 |
| SMALL ENGINE REPAIR | 47.0606 | 18 | 12 | | | | | | 30 |
| APPRAISER, AUTOMOBILE DAMAGE | 241.267-014 | | | | 1 | | | | 1 |
| SUPERVISOR, GARAGE | 620.131-014 | | | | 1 | | | | 2 |
| SUPERVISOR, MOTORCYCLE REPAIR SHOP | 620.131-018 | | | | 1 | | | | 1 |
| AUTOMOBILE MECHANIC | 620.261-010 | | | | 12 | 55 | | | 67 |
| AUTOMOBILE-MECHANIC, APPRENTICE | 620.261-012 | | | | | | | 3 | 3 |
| AUTOMOBILE TESTER | 620.261-014 | | | | 1 | | | | 1 |
| AUTOMOBILE-REPAIR-SERVICE ESTIMATOR | 620.261-018 | | | | 2 | 3 | | | 5 |
| AUTOMOTIVE-MAINTENANCE-EQUIPMENT SERVI | 620.281-018 | | | | 2 | 1 | | | 3 |
| FRONT-END MECHANIC | 620.281-038 | | | | | 4 | | | 4 |
| MOTORCYCLE REPAIRER | 620.281-054 | | | | | 4 | | | 4 |
| TRANSMISSION MECHANIC | 620.281-062 | | | | | 1 | | | 1 |
| TUNE-UP MECHANIC | 620.281-066 | | | | 1 | 9 | | | 10 |
| SQUEAK, RATTLE, AND LEAK REPAIRER | 620.364-010 | | | | | 2 | | | 2 |
| MECHANIC, ENDLESS TRACK VEHICLE | 620.381-014 | | | | 1 | | | | 1 |
| AUTOMOBILE WRECKER | 620.684-010 | | | | | 4 | | | 4 |
| AUTOMOBILE-MECHANIC HELPER | 620.684-014 | | | | | 3 | 24 | 5 | 32 |
| USED-CAR RENOVATOR | 620.684-034 | | | | | | 7 | | 7 |
| MOTORBOAT MECHANIC | 623.281-038 | | | | | | 1 | | 1 |
| DIESEL-MECHANIC APPRENTICE | 625.281-014 | | | | | | | | |
| FUEL-INJECTION SERVICER | 625.281-022 | | | | | 1 | 1 | | 2 |

|-----S U P P L Y S O U R C E S-----|

SK7-AUTO. & ENGINE MECHANICS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| POWER-SAW MECHANIC | 625.281-030 | | | | | 1 | 2 | | 3 |
| SMALL-ENGINE MECHANIC | 625.281-034 | | | | | 13 | 6 | | 19 |
| PUMP-SERVICER HELPER | 630.684-022 | | | | | 1 | 1 | | 2 |
| FIRE-FIGHTING-EQUIPMENT SPECIALIST | 638.281-010 | | | | | 1 | | | 1 |
| MAINTENANCE-MECHANIC HELPER | 638.684-018 | | | | | | 1 | | 1 |
| BICYCLE REPAIRER | 639.681-010 | | | | | | 1 | | 1 |
| TIRE TECHNICIAN | 750.382-010 | | | | | | 2 | | 2 |
| ASSEMBLER, CAMPER | 806.684-018 | | | | | | 2 | | 2 |
| AUTOMOBILE-ACCESSORIES INSTALLER | 806.684-038 | | | | | | 1 | | 1 |
| MOTORCYCLE ASSEMBLER | 806.684-090 | | | | | 1 | | | 1 |
| REPAIRER, GENERAL | 806.684-118 | | | | | | 3 | | 3 |
| AUTOMOBILE-BODY REPAIRER | 807.381-010 | | | | | 7 | 28 | | 35 |
| SERVICE MECHANIC | 807.381-022 | | | | | | 1 | | 1 |
| MUFFLER INSTALLER | 807.664-010 | | | | | 1 | 3 | | 4 |
| AUTOMOBILE-BODY-REPAIRER HELPER | 807.687-010 | | | | | 1 | | | 1 |
| PAINTER, TRANSPORTATION EQUIPMENT | 845.381-014 | | | | | 1 | 2 | | 3 |
| STEAM-CLEANING-MACHINE OPERATOR | 891.685-010 | | | | | 1 | 3 | | 4 |
| AUTOMOBILE-SERVICE-STATION ATTENDANT | 915.467-010 | | | | | | 17 | | 17 |
| AUTOMOBILE-SELF-SERVE-SERVICE-STATION | 915.477-010 | | | | | 1 | 2 | | 3 |
| TIRE REPAIRER | 915.684-010 | | | | | 1 | 10 | | 11 |
| LUBRICATION SERVICER | 915.687-018 | | | | | 1 | 9 | | 10 |
| CLUSTER TOTAL | | 274 | 150 | 39 | 0 | 54 | 214 | 8 | 739 |

SK7-AUTO. & ENGINE MECHANICS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY- MENT-1982 | PROJ EMPLOY- MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE- MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|---------------------------------|------------------------------|-------------------|------------------------------|-------------------------------|--------|
| 77081002 | FIRST LINE SUPERV.:MECHANICS | 384 | 453 | 9 | 17 | 26 | |
| 77285116 | MACHINERY MECHANICS:MARINE EQ | 16 | 23 | 1 | | 1 | |
| 77285302 | AUTOMOTIVE MECHANICS | 2,413 | 2,931 | 65 | 60 | 125 | |
| 77285305 | AUTOMOTIVE BODY,RELATED REPAI | 354 | 438 | 11 | 8 | 19 | |
| 77285317 | RAIL CAR REPAIRERS | 294 | 235 | -6 | 9 | 3 | |
| 77285328 | SMALL ENGINE SPECIALISTS | 36 | 49 | 2 | 1 | 3 | |
| 77285951 | BICYCLE REPAIRERS | 44 | 54 | 1 | 1 | 2 | |
| 77285953 | TIRE REPAIRERS AND CHANGERS | 269 | 322 | 7 | 6 | 13 | |
| 77592947 | PAINTERS: TRANSPORTATION EQUI | 113 | 141 | 4 | 3 | 7 | |
| 77693947 | PAINTING AND COATING, HAND | 10 | 18 | 1 | | 1 | |
| 77897805 | SERVICE STATION ATTENDANTS | 965 | 1,172 | 26 | 22 | 48 | |
| 77998102 | MECHANIC AND REPAIRER HELPERS | 99 | 100 | | 3 | 3 | |
| CLUSTER TOTAL | | 4,997 | 5,936 | 121 | 130 | 251 | 739 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

-----S U P P L Y S O U R C E S-----|

SK8-MACHINE SHOP

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| MACHINE TOOL OPER/MACHINE SHOP | 48.0503 | | | | | | | | 32 |
| BULLET-SLUG-CASTING-MACHINE OPERATOR | 502.382-010 | | | | | | 6 | | 6 |
| INSTRUMENT MAKER | 600.280-010 | | | | | | 1 | | 1 |
| MACHINIST | 600.280-022 | | | | | | 12 | | 12 |
| MACHINIST APPRENTICE | 600.280-026 | | | | | | 1 | | 1 |
| MACHINIST, AUTOMOTIVE | 600.280-034 | | | | | | 1 | | 1 |
| GRINDER SET-UP OPERATOR, CENTERLESS | 603.382-014 | | | | | | 1 | | 1 |
| DRILL-PRESS OPERATOR | 606.682-014 | | | | | 1 | | | 1 |
| SAW OPERATOR | 607.682-018 | | | | | | 1 | | 1 |
| MACHINE OPERATOR 1 | 616.360-018 | | | | | | 1 | | 1 |
| MACHINE HELPER | 619.687-014 | | | | | | 2 | | 2 |
| GUNSMITH | 632.281-010 | | | | | 1 | | | 1 |
| MILLWRIGHT | 638.281-018 | | | | | | 2 | | 2 |
| MOLDER OPERATOR | 665.682-018 | | | | | | 2 | | 2 |
| BAND-SCROLL-SAW OPERATOR | 667.682-010 | | | | | | | | |
| MACHINIST, WOOD | 669.380-014 | | | | | | 1 | | 1 |
| STAPLING-MACHINE OPERATOR | 692.685-202 | | | | | | 1 | | 1 |
| SAW FILER | 701.381-014 | | | | | | 1 | | 1 |
| TOOL GRINDER 1 | 701.381-018 | | | | | | 1 | | 1 |
| ENGRAVER, PANTOGRAPH 1 | 704.382-010 | | | | | | | | |
| BENCH GRINDER | 705.684-010 | | | | | | 6 | | 6 |
| POLISHER | 705.684-058 | | | | | | 1 | | 1 |
| ASSEMBLER, PRODUCT | 706.684-018 | | | | | | 1 | | 1 |
| VALVE GRINDER | 706.684-098 | | | | | | 1 | | 1 |

SK8-MACHINE SHOP

-----SUPPLY SOURCES-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| PRODUCTION ASSEMBLER | 737.684-034 | | | | | | 1 | 1 | 1 |
| ASSEMBLER, ALUMINUM BOATS | 806.481-010 | | | | | | | | |
| DRILLER, HAND | 809.684-018 | | | | | | 1 | 1 | 1 |
| CLUSTER TOTAL | | 0 | 32 | 0 | 0 | 2 | 45 | 0 | 79 |

SK8-MACHINE SHOP

| OFS MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22325111 | PROGRAMMERS: TOOL, NUMERICAL | 6 | 6 | | | | |
| 77183002 | PRECISION INSPECTORS, GRADERS | 64 | 72 | 1 | 2 | 3 | |
| 77285110 | MACHINERY MAINTENANCE MECHANIC | 616 | 670 | 7 | 17 | 24 | |
| 77285113 | MACHINERY MECHANICS: SEWING M | 4 | 5 | | | | |
| 77285117 | MACHINERY MECH.: UNDERGROUND M | 50 | 74 | 3 | 2 | 5 | |
| 77285118 | MACHINERY MECHANIC: PLANT | 101 | 116 | 2 | 3 | 5 | |
| 77285128 | MACHINERY MAINTENANCE WORKERS | 313 | 366 | 7 | 9 | 16 | |
| 77285928 | MECHANICAL CONTROL INSTALLERS | 49 | 60 | 1 | 1 | 2 | |
| 77285999 | MECHANICS, INSTALLERS(NO DETA | 325 | 390 | 8 | 13 | 21 | |
| 77489102 | TOOL AND DIE MAKERS | 3 | 4 | | | | |
| 77489108 | MACHINISTS | 485 | 556 | 9 | 14 | 23 | |
| 77489111 | TOOL GRINDERS, FILERS, SHARPENE | 109 | 142 | 4 | 4 | 8 | |
| 77591102 | SAWING MACH. TOOL SETTER/OP., | 1 | 1 | | | | |
| 77591105 | LATHE, TURNING MACH. SETTER/OP, | 5 | 6 | | | | |
| 77591108 | DRILLING, BORING MACH. SET/OP., | 2 | 2 | | | | |
| 77591117 | MACHINE TOOL CUTTING OPER., M | 22 | 36 | 2 | 1 | 3 | |
| 77591305 | PRESS, BRAKE MACH. SETTER/OP., | 1 | 1 | | | | |
| 77591321 | MACHINE FORMING OPERATORS, M/ | 8 | 9 | | | | |
| 77591502 | NUMERICAL CONTROL MACH. TOOL, | 7 | 7 | | | | |
| 77591505 | COMBINATION MACH. TOOL SET/OP, | 3 | 4 | | | | |
| 77591508 | COMBINATION MACH. TOOL OPER., | 17 | 24 | 1 | | 1 | |
| 77591905 | PLASTIC MOLDING, CASTING OPER | 15 | 19 | 1 | | 1 | |
| 77592197 | OTHER METAL/PLASTIC SETTER/OP | 26 | 36 | 1 | 1 | 2 | |
| 77592198 | OTHER METAL/PLASTIC MACH. OPE | 1 | 1 | | | | |
| 77592302 | SAWING MACHINE SETTER/OPERATO | 31 | 41 | 1 | 1 | 2 | |

SK8--MACHINE SHOP

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 77592308 | SAWING MACHINE OPERATOR/TENDE | 552 | 734 | 23 | 20 | 43 | |
| 77592314 | WOODWORKING MACHINE OPERATORS | 139 | 191 | 7 | 4 | 11 | |
| 77592914 | PAPER GOODS MACHINE SETTER/OP | 19 | 27 | 1 | 1 | 2 | |
| 77592941 | CUTTING AND SLICING SETTER/OP | 14 | 15 | | | | |
| 77592944 | CUTTING & SLICING MACHINE OPE | 51 | 56 | 1 | 2 | 3 | |
| 77592951 | COATING, PAINTING SETTER/OPER | 14 | 20 | 1 | | 1 | |
| 77592953 | COATING, PAINTING MACH. OPER. | 51 | 68 | 2 | 1 | 3 | |
| 77592956 | CEMENTING, GLUING MACHINE OPE | 118 | 161 | 5 | 4 | 9 | |
| 77592962 | SEPARATING, FILTERING MACH. O | 46 | 59 | 2 | 1 | 3 | |
| 77592965 | CRUSHING & MIXING MACHINE OPE | 308 | 365 | 7 | 8 | 15 | |
| 77592968 | EXTRUDING, FORMING SETTER/OPE | 19 | 19 | | | | |
| 77592971 | EXTRUDING, FORMING OPERATOR | 123 | 136 | 2 | 3 | 5 | |
| 77592974 | PACKAGING, FILLING MACHINE OP | 306 | 326 | 3 | 8 | 11 | |
| 77592997 | ALL OTHER MACHINE SETTERS/OPE | 46 | 47 | | 1 | 1 | |
| 77592998 | MACHINE OPERATORS (NO DETAIL) | 1,468 | 1,815 | 43 | 43 | 86 | |
| 77693105 | MACHINE BUILDERS | 2 | 2 | | | | |
| 77693111 | ELECTROMECHANICAL EQ. ASSEMBL | 3 | 3 | | | | |
| 77693199 | PRECISION ASSEMBLERS (NO DETA | 61 | 63 | | 2 | 2 | |
| 77693926 | CUTTERS AND TRIMMERS, HAND | 5 | 8 | | | | |
| 77693928 | PORTABLE MACHINE CUTTERS | 2 | 2 | | | | |
| 77897951 | CONVEYOR OPERATORS AND TENDER | 235 | 293 | 7 | 5 | 12 | |
| 77998502 | MACHINE FEEDERS AND OFFBEARER | 1,033 | 1,352 | 40 | 31 | 71 | |
| CLUSTER TOTAL | | 6,879 | 8,410 | 192 | 202 | 394 | 79 |

-----S U P P L Y S O U R C E S-----|

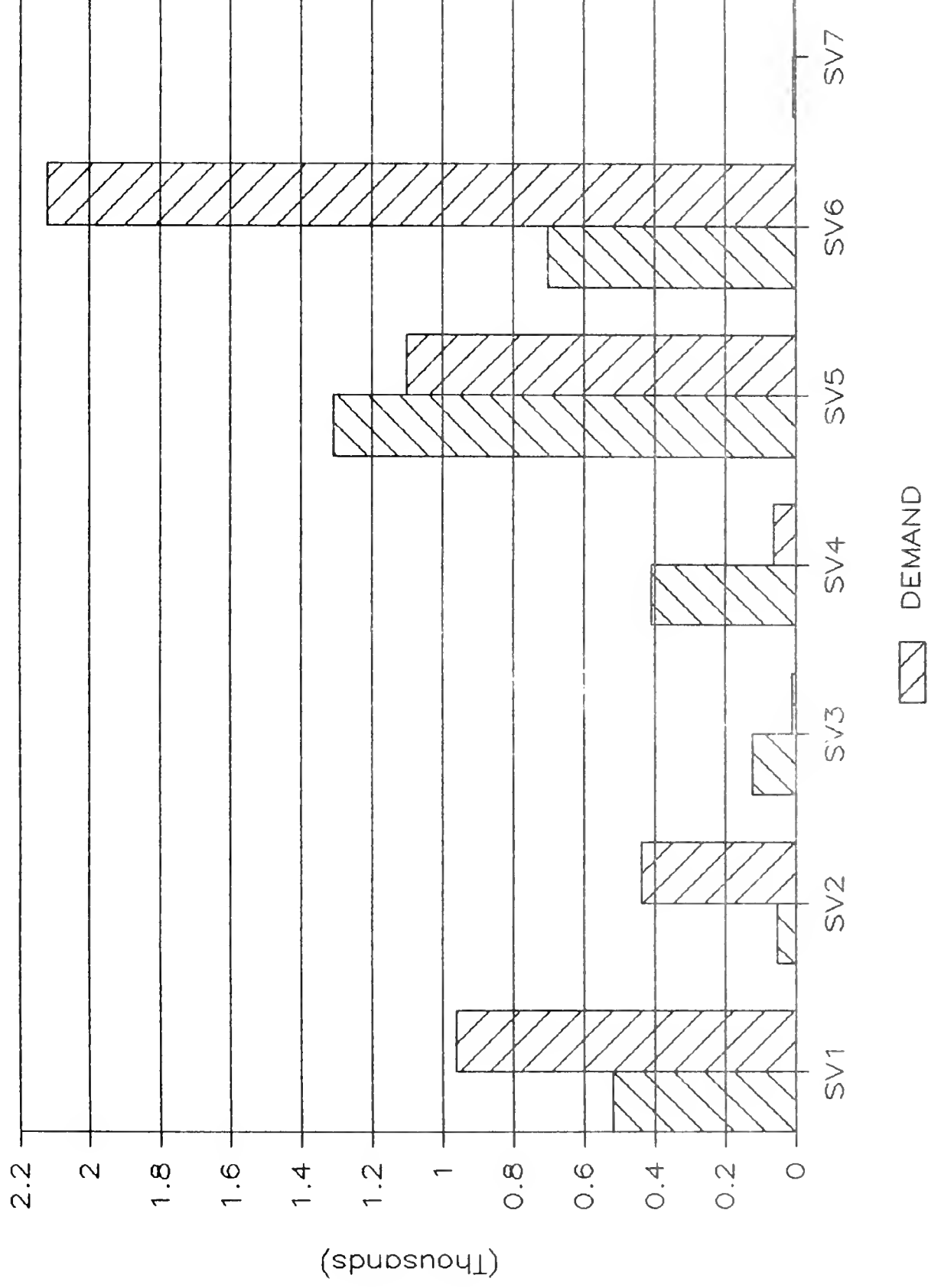
SK9-METAL WORKING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| PRECISION METAL WORK | 48.0501 | 23 | | | | | | | 23 |
| PLATER, PRODUCTION | 500.365-010 | | | | | 1 | 1 | 1 | 2 |
| PLATER | 500.380-010 | | | | | 1 | | | 1 |
| FLOTATION TENDER | 511.685-026 | | | | | | 1 | | 1 |
| MOLDER | 518.361-010 | | | | | | 1 | | 1 |
| SAW OPERATOR | 607.682-018 | | | | | | | | |
| MACHINE OPERATOR 1 | 616.360-018 | | | | | | | | |
| METAL FABRICATOR | 619.360-014 | | | | | | 3 | | 3 |
| METAL-FABRICATOR APPRENTICE | 619.360-018 | | | | | | 3 | | 3 |
| MACHINE HELPER | 619.687-014 | | | | | | | | |
| MOLDER, PATTERN | 693.381-022 | | | | | | 3 | | 3 |
| POLISHER | 705.684-058 | | | | | | | | |
| BENCH HAND | 706.381-014 | | | | | 1 | | | 1 |
| PLATER | 719.684-014 | | | | | 1 | | | 1 |
| SHEET-METAL-WORKER APPRENTICE | 804.281-014 | | | | | 1 | | | 1 |
| BOILERMAKER APPRENTICE | 805.261-010 | | | | | | 1 | | 1 |
| BOILERMAKER 2 | 805.381-010 | | | | | 1 | | | 1 |
| SKIN FITTER | 806.381-054 | | | | | | | | |
| ASSEMBLER, ALUMINUM BOATS | 806.481-010 | | | | | | 1 | | 1 |
| SUPERVISOR, METAL FABRICATING | 809.130-014 | | | | | | 1 | | 1 |
| FABRICATOR-ASSEMBLER, METAL PRODUCTS | 809.381-010 | | | | | 1 | 16 | | 17 |
| ASSEMBLER, UNIT | 809.681-010 | | | | | | 2 | | 2 |
| CLUSTER TOTAL | | 23 | 0 | 0 | 0 | 7 | 33 | 0 | 63 |

SK9-METAL WORKING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122105 | METALLURGISTS & MATERIAL ENGR | 26 | 36 | 1 | 1 | 2 | |
| 77387814 | STRUCTURAL METAL WORKERS | 116 | 116 | | 2 | 2 | |
| 77489114 | PATTERN AND MODEL MAKERS: MET | 17 | 27 | 1 | 1 | 2 | |
| 77489117 | PRECISION LAYOUT WORKERS: MET | 3 | 3 | | | | |
| 77489132 | SHEET METAL WORKERS | 369 | 512 | 18 | 10 | 28 | |
| 77489135 | BOILERMAKERS | 66 | 72 | 1 | 2 | 3 | |
| 77489199 | ALL OTHER PRECISION METAL | 6 | 5 | | | | |
| 77489902 | PRECISION FOUNDRY MOLD/CORE | 8 | 13 | 1 | | 1 | |
| 77489905 | PRECISION MOLDERS, SHAPERS | 24 | 31 | 1 | 1 | 2 | |
| 77489908 | PRECISION PATTERN, MODELMAKER | 7 | 10 | | | | |
| 77489911 | PRECISION DETAIL DESIGN | 16 | 28 | 2 | 1 | 3 | |
| 77489999 | PRECISION PRODUCTION (NO DETA | 839 | 903 | 8 | 30 | 38 | |
| 77591708 | SOLDERING, BRAZING MACH. SET/ | 3 | 4 | | | | |
| 77591714 | STRUCTURAL METAL FABRICATORS | 185 | 247 | 8 | 5 | 13 | |
| 77591908 | METAL MOLDING,CASTING SETTER/ | 10 | 16 | 1 | | 1 | |
| 77591917 | ELECTROLYTIC PLATING SET/OP., | 11 | 16 | 1 | | 1 | |
| 77693108 | PRECISION STRUCT. METAL FITTING | 22 | 31 | 1 | 1 | 2 | |
| 77693941 | METAL POURERS, BASIC SHAPES | 22 | 23 | | | | |
| 77693944 | MOLDERS AND CASTERS, HAND | 2 | 7 | 1 | | 1 | |
| 77693956 | ASSEMBLERS AND FABRICATORS | 300 | 406 | 13 | 9 | 22 | |
| 77693999 | ASSEMBLERS,HAND WORK.(NO DETA | 336 | 415 | 10 | 12 | 22 | |
| CLUSTER TOTAL | | 2,388 | 2,921 | 68 | 75 | 143 | 63 |

SERVICE



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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SVI-INSTIT. & BLDG SERVICE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| INSTITUTIONAL MANAGEMENT, OTHER | 06.0799 | | | 4 | | | | | 4 |
| HOUSEKEEPER, HOME | 301.137-010 | | | | | 1 | 1 | 2 | 2 |
| HOUSE WORKER, GENERAL | 301.474-010 | | | | | 1 | 19 | 20 | 20 |
| CARETAKER | 301.687-010 | | | | | | 4 | 4 | 4 |
| HOUSEKEEPER | 321.137-010 | | | | | 2 | 14 | 16 | 16 |
| CLEANER, HOSPITAL | 323.687-010 | | | | | | 6 | 6 | 6 |
| CLEANER, HOUSEKEEPING | 323.687-014 | | | | | 4 | 42 | 46 | 46 |
| HOUSECLEANER | 323.687-018 | | | | | 1 | 5 | 6 | 6 |
| CHECKROOM ATTENDANT | 358.677-010 | | | | | | 4 | 4 | 4 |
| RESTROOM ATTENDANT | 358.677-018 | | | | | | 1 | 1 | 1 |
| RUG CLEANER, HAND | 369.384-014 | | | | | | 1 | 1 | 1 |
| PARKING ENFORCEMENT OFFICER | 375.587-010 | | | | | | | | |
| HOUSE OFFICER | 376.367-018 | | | | | | | | |
| SUPERVISOR, JANITORIAL SERVICES | 381.137-010 | | | | | | 2 | 2 | 2 |
| CENTRAL-SUPPLY WORKER | 381.687-010 | | | | | | 2 | 2 | 2 |
| CLEANER, COMMERCIAL OR INSTITUTIONAL | 381.687-014 | | | | | 14 | 48 | 62 | 62 |
| CLEANER, INDUSTRIAL | 381.687-018 | | | | | 2 | 7 | 9 | 9 |
| CLEANER, LABORATORY EQUIPMENT | 381.687-022 | | | | | | 5 | 5 | 5 |
| JANITOR | 382.664-010 | | | | | 36 | 252 | 288 | 288 |
| SEXTON | 389.667-010 | | | | | | 4 | 4 | 4 |
| EXTERMINATOR | 389.684-010 | | | | | | 1 | 1 | 1 |
| CHIMNEY SWEEP | 891.687-010 | | | | | 1 | | 1 | 1 |
| MAINTENANCE REPAIRER, BUILDING | 899.381-010 | | | | | 4 | 13 | 4 | 21 |
| BUILDING & APARTMENT MAINTENANCE | 899.381-022 | | | | | | | 1 | 1 |

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

SV1-INSTL. & BLDG SERVICE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|----------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BUILDING MAINTENANCE | 899.884-010 | | | | | | | 2 | 2 |
| GARBAGE COLLECTOR | 909.687-010 | | | | 1 | | | | 1 |
| LABORER, GENERAL | 909.687-014 | | | | | 1 | | | 1 |
| CLEANER 2 | 919.687-014 | | | | | 2 | 2 | | 4 |
| BOILER OPERATOR | 950.382-010 | | | | | | | | |
| STREET CLEANER | 955.687-018 | | | | | | 5 | | 5 |
| CLUSTER TOTAL | | 0 | 0 | 4 | 0 | 69 | 439 | 7 | 519 |

SV11-INSTL. & BLDG SERVICE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|----------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 44353808 | HOTEL DESK CLERKS | 605 | 756 | 19 | 29 | 48 | |
| 55161008 | HOUSEKEEPERS | 100 | 131 | 4 | 9 | 13 | |
| 55767002 | MAIDS AND HOUSEKEEPING CLEANERS | 3,056 | 3,978 | 115 | 272 | 387 | |
| 55767005 | JANITORS AND CLEANERS, EXC.MA | 4,126 | 4,824 | 87 | 232 | 319 | |
| 55767011 | ELEVATOR OPERATORS | 11 | 13 | | 1 | 1 | |
| 55767099 | BUILDING SERVICE (NO DETAIL) | 1,510 | 1,781 | 34 | 52 | 86 | |
| 55868023 | BAGGAGE PORTERS AND BELLHOPS | | | | | | |
| 55969999 | SERVICE WORKERS (NO DETAIL) | 834 | 1,046 | 27 | 56 | 83 | |
| 77285932 | ELEVATOR INSTALLERS & REPAIRERS | 20 | 26 | 1 | 1 | 2 | |
| 77387511 | SEPTIC TANK, SEWER SERVICERS | 2 | 2 | | | | |
| 77897802 | BRIDGE, LOCK, LIGHTHOUSE TENDERS | 15 | 12 | | 1 | 1 | |
| 77998705 | REFUSE COLLECTORS | 263 | 324 | 8 | 13 | 21 | |
| CLUSTER TOTAL | | 10,542 | 12,893 | 295 | 666 | 961 | 519 |

|-----S U P P L Y S O U R C E S-----|

SV2-VEHICLE OPERATORS/CLEANERS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| TRANSPORTATION MANAGEMENT | 06.0705 | | | 3 | | | | | 3 |
| TRAFFIC INSPECTOR | 184.163-010 | | | 1 | | | | | 1 |
| CONDUCTOR, ROAD FREIGHT | 198.167-018 | | | | | | 1 | | 1 |
| COIN COLLECTOR (ROUTE DRIVER) | 292.483-010 | | | | | | 1 | | 1 |
| DELIVERER, MERCHANDISE | 299.477-010 | | | 1 | | | 3 | | 4 |
| SCHOOL BUS MONITOR | 372.667-042 | | | | | | 1 | | 1 |
| USED-CAR RENOVATOR | 620.684-034 | | | | | | | | |
| GARBAGE COLLECTOR DRIVER | 905.663-010 | | | 1 | | | | | 1 |
| VAN DRIVER | 905.663-018 | | | | | | 1 | | 1 |
| TRUCK-DRIVER HELPER | 905.687-010 | | | 1 | | | | | 1 |
| TRUCK DRIVER, LIGHT | 906.683-022 | | | 2 | | | 17 | | 19 |
| GARBAGE-COLLECTION SUPERVISOR | 909.137-014 | | | | | | 1 | | 1 |
| TRUCK SUPERVISOR | 909.137-018 | | | 1 | | | | | 1 |
| GARBAGE COLLECTOR | 909.687-010 | | | | | | | | |
| FIRER, LOCOMOTIVE | 910.363-010 | | | 1 | | | | | 1 |
| TRACK REPAIRER | 910.682-010 | | | | | | 3 | | 3 |
| ABLE SEAMAN | 911.364-010 | | | 1 | | | | | 1 |
| BUS DISPATCHER, INTERSTATE | 913.167-010 | | | 1 | | | | | 1 |
| TAXICAB STARTER | 913.367-010 | | | | | | 1 | | 1 |
| BUS DRIVER | 913.463-010 | | | 1 | | | 3 | | 4 |
| PARKING-LOT ATTENDANT | 915.473-010 | | | 1 | | | | | 1 |
| STEAM CLEANER | 915.667-026 | | | | | | 2 | | 2 |
| INDUSTRIAL-TRUCK OPERATOR | 921.683-050 | | | | | | 2 | | 2 |

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

SV2-VEHICLE OPERATORS/CLEANERS

| TITLE | | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------|--|------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CLUSTER TOTAL | | | 0 | 0 | 3 | 0 | 12 | 36 | 0 | 51 |

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MONTANA D E M A N D R E P O R T

SV2-VEHICLE OPERATORS/CLEANERS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 33343099 | SERVICE SALES OCC. (NO DETAIL | | | | | | |
| 77081011 | FIRST LINE SUPERV.:TRANSPORT. | 347 | 283 | -7 | 13 | 6 | |
| 77897105 | TRUCK DRIVERS, LIGHT | 258 | 288 | 4 | 9 | 13 | |
| 77897108 | BUS DRIVERS | 501 | 635 | 17 | 18 | 35 | |
| 77897111 | BUS DRIVERS: SCHOOL | 509 | 663 | 19 | 19 | 38 | |
| 77897114 | TAXI DRIVERS AND CHAUFFEURS | 73 | 97 | 3 | 4 | 7 | |
| 77897117 | DRIVER SALES WORKERS | 2,533 | 2,957 | 53 | 60 | 113 | |
| 77897199 | ALL OTHER MOTOR VEHICLE OPER. | 3,037 | 3,578 | 68 | 126 | 194 | |
| 77897305 | LOCOMOTIVE ENGINEERS | 183 | 146 | -4 | 8 | 4 | |
| 77897311 | LOCOMOTIVE FIRERS | 108 | 86 | -2 | 2 | | |
| 77897399 | ALL OTHER RAIL VEHICLE OPER. | 44 | 35 | | 1 | 1 | |
| 77897502 | CAPTAINS: WATER VESSEL | 1 | 1 | | | | |
| 77897511 | MOTORBOAT OPERATORS | 1 | 1 | | | | |
| 77897808 | PARKING LOT ATTENDANTS | 23 | 29 | 1 | 2 | 3 | |
| 77897899 | ALL OTHER TRANSPORTATION | 4 | 7 | | | | |
| 77998705 | REFUSE COLLECTORS | | | | | | |
| 77998905 | VEHICLE, EQUIPMENT CLEANERS | 399 | 497 | 12 | 10 | 22 | |
| CLUSTER TOTAL | | 8,021 | 9,303 | 164 | 272 | 436 | 51 |

MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----

SV3-BARBERING

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| | | | | | | | | | |
| BARBERING | 12.0402 | | | | 99 | | | | 99 |
| MANAGER, BARBER OR BEAUTY SHOP | 187.167-058 | | | | | | 1 | | 1 |
| BARBER | 330.371-010 | | | | | 3 | 15 | | 18 |
| BARBER APPRENTICE | 330.371-014 | | | | | 1 | 1 | | 2 |
| CLUSTER TOTAL | | 0 | 0 | 0 | 99 | 4 | 17 | 0 | 120 |

SV3-BARBERING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 55868002 | BARBERS | 108 | 119 | 1 | 7 | 8 | |
| CLUSTER TOTAL | | 108 | 119 | 1 | 7 | 8 | 120 |

-----SUPPLY SOURCE-----|

SV4-COSMETOLOGY

| TITLE | | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--------------------------------|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| COSMETOLOGY | | 12.0403 | | | | 374 | | | | 374 |
| MANAGER, BARBER OR BEAUTY SHOP | | 187.167-058 | | | | | | | | |
| MANICURIST | | 331.674-010 | | | | | 1 | | | 1 |
| COSMETOLOGIST | | 332.271-010 | | | | | 9 | 23 | | 32 |
| HAIR STYLIST | | 332.271-018 | | | | | 2 | | | 2 |
| CLUSTER TOTAL | | | 0 | 0 | 0 | 374 | 12 | 23 | 0 | 409 |

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SV4-COSMETOLOGY

MONTANA D E M A N D R E P O R T

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 55868005 | HAIRDRESSERS AND COSMETOLOGIS | 616 | 853 | 30 | 33 | 63 | |
| CLUSTER TOTAL | | 616 | 853 | 30 | 33 | 63 | 409 |

|-----S U P P L Y S O U R C E S-----|

SV5-CHILD CARE SERVICES

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|---------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| SCHOOL PSYCHOLOGY | 13.0801 | | | 2 | | | | | 2 |
| SPECIAL EDUCATION, GENERAL | 13.1001 | | | 64 | | | | | 64 |
| EDUCATION OF THE MENTALLY HANDICAPPED | 13.1006 | | | 5 | | | | | 5 |
| SPECIFIC LEARNING DISABILITIES | 13.1011 | | | 3 | | | | | 3 |
| STUDENT COUNSELING AND PERSONNEL SERVI | 13.1101 | | | 72 | | | | | 72 |
| ADULT AND CONTINUING EDUCATION | 13.1201 | | | 38 | | | | | 38 |
| ELEMENTARY EDUCATION | 13.1202 | | | 340 | | | | | 340 |
| SECONDARY EDUCATION | 13.1205 | | | 24 | | | | | 24 |
| AGRICULTURAL EDUCATION | 13.1301 | | | 12 | | | | | 12 |
| ART EDUCATION | 13.1302 | | | 7 | | | | | 7 |
| BUSINESS EDUCATION | 13.1303 | | | 22 | | | | | 22 |
| ENGLISH EDUCATION | 13.1305 | | | 10 | | | | | 10 |
| INDUSTRIAL ARTS EDUCATION | 13.1309 | | | 40 | | | | | 40 |
| MATHEMATICS EDUCATION | 13.1311 | | | 12 | | | | | 12 |
| MUSIC EDUCATION | 13.1312 | | | 34 | | | | | 34 |
| PHYSICAL EDUCATION | 13.1314 | | | 161 | | | | | 161 |
| READING EDUCATION | 13.1315 | | | 10 | | | | | 10 |
| SCIENCE EDUCATION | 13.1316 | | | 9 | | | | | 9 |
| SOCIAL SCIENCE EDUCATION | 13.1317 | | | 16 | | | | | 16 |
| SOCIAL STUDIES EDUCATION | 13.1318 | | | 6 | | | | | 6 |
| TECHNICAL EDUCATION | 13.1319 | | | 9 | | | | | 9 |
| TRADES & INDUSTRIAL EDUCATION | 13.1320 | | | 2 | | | | | 2 |
| EARLY CHILDHOOD | 13.7898 | | | 3 | | | | | 3 |
| HOME ECONOMICS, GENERAL | 19.0101 | | | 77 | | | | | 77 |

|-----S U P P L Y S O U R C E S-----|

SV5-CHILD CARE SERVICES

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CHILD CARE & GUIDANCE MGT. | 20.0201 | | | | | | | | 34 |
| DIRECTOR OF COUNSELING | 045.107-018 | | | | | | | | |
| PSYCHOLOGIST, CLINICAL | 045.107-022 | | | | | | | | |
| PSYCHOLOGIST, COUNSELING | 045.107-026 | | | | | | | | |
| RESIDENCE COUNSELOR | 045.107-038 | | | | | | | | |
| NURSE, SCHOOL | 075.124-010 | | | | | | | | |
| COMMUNITY-SERVICES-AND-HEALTH-EDUCATIO | 079.167-010 | | | | | | | | |
| FACULTY MEMBER, COLLEGE OR UNIVERSITY | 090.227-010 | | | | | | | | 1 |
| TEACHER, INDUSTRIAL ARTS | 091.221-010 | | | | | | | 1 | 5 |
| TEACHER, SECONDARY SCHOOL | 091.227-010 | | | | | | 14 | | 34 |
| TEACHER, ELEMENTARY SCHOOL | 092.227-010 | | | | | | 11 | | 28 |
| TEACHER, PRESCHOOL | 092.227-018 | | | | | | 4 | | 4 |
| EDUCATIONAL THERAPIST | 094.227-010 | | | | | | | | |
| TEACHER, BLIND | 094.227-014 | | | | | | 1 | | 3 |
| TEACHER, HANDICAPPED STUDENTS | 094.227-018 | | | | | | 4 | | 8 |
| TEACHER, MENTALLY RETARDED | 094.227-022 | | | | | | 2 | | 2 |
| INSTRUCTOR, PHYSICAL EDUCATION | 099.224-010 | | | | | | 3 | | 3 |
| CHILDREN'S TUTOR | 099.227-010 | | | | | | 2 | | 2 |
| TEACHER, ADULT EDUCATION | 099.227-030 | | | | | | 1 | | 1 |
| TEACHER AIDE 1 | 099.327-010 | | | | | | 20 | | 22 |
| LIBRARIAN | 100.127-014 | | | | | | 1 | | 1 |
| MEDIA SPECIALIST, SCHOOL LIBRARY | 100.167-030 | | | | | | 3 | 1 | 4 |
| TEACHER, ART | 149.021-010 | | | | | | 2 | 3 | 5 |
| TEACHER, MUSIC | 152.021-010 | | | | | | 2 | 1 | 3 |

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----

SV5-CHILD CARE SERVICES

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| ATHLETIC TRAINER | 153.224-010 | | | | | | | 1 | 1 |
| RESIDENCE SUPERVISOR | 187.167-186 | | | | | | 1 | | 4 |
| SOCIAL WORKER, DELINQUENCY PREVENTION | 195.107-026 | | | | | 1 | | | 1 |
| SOCIAL WORKER, SCHOOL | 195.107-038 | | | | | | | | 2 |
| COMMUNITY ORGANIZATION WORKER | 195.167-010 | | | | | 2 | 16 | | 18 |
| LIBRARY ASSISTANT | 249.367-046 | | | | | 2 | 14 | | 16 |
| TEACHER AIDE 2 | 249.367-074 | | | | | 2 | 30 | | 32 |
| CHILD MONITOR | 301.677-010 | | | | | | 52 | | 52 |
| HOMEMAKER | 309.354-010 | | | | | | 4 | | 7 |
| CHILD-CARE ATTENDANT, SCHOOL | 355.674-010 | | | | | 3 | 2 | | 2 |
| ATTENDANT, CHILDREN'S INSTITUTION | 359.677-010 | | | | | | 30 | | 33 |
| NURSERY SCHOOL ATTENDANT | 359.677-018 | | | | | | 4 | | 4 |
| PLAYROOM ATTENDANT | 359.677-026 | | | | | | | | |
| CLUSTER TOTAL | | 34 | 0 | 978 | 0 | 77 | 221 | 0 | 1310 |

SV5-CHILD CARE SERVICES

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY- MENT-1982 | PROJ EMPLOY- MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE- MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-----------------------------------|---------------------------------|------------------------------|-------------------|------------------------------|-------------------------------|--------|
| 22427302 | MED./PSYCHIATRIC SOCIAL WORKERS | | | | | | |
| 22427305 | SOCIAL WORKERS, EXC. MED./PSY | | | | | | |
| 22631102 | PROFESSORS | 720 | 802 | 10 | 24 | 34 | |
| 22631105 | ASSOCIATE PROFESSORS | 450 | 501 | 6 | 15 | 21 | |
| 22631108 | ASSISTANT PROFESSORS | 404 | 450 | 6 | 14 | 20 | |
| 22631111 | LECTURERS | 180 | 201 | 3 | 6 | 9 | |
| 22631117 | GRADUATE ASSISTANTS, TEACHING | 293 | 327 | 4 | 8 | 12 | |
| 22631302 | TEACHERS: PRESCHOOL & ELEMENT | 6,242 | 6,982 | 93 | 227 | 320 | |
| 22631308 | TEACHERS: SECONDARY SCHOOL | 4,669 | 5,203 | 67 | 133 | 200 | |
| 22631314 | TEACHERS: VOCATIONAL EDUCATION | 864 | 982 | 15 | 38 | 53 | |
| 22631317 | INSTRUCTORS: NONVOCATIONAL ED | 519 | 604 | 11 | 22 | 33 | |
| 22631321 | INSTRUCTORS AND COACHES: SPORTS | 176 | 211 | 4 | 6 | 10 | |
| 22631399 | TEACHERS, INSTRUCTORS(NON DETAIL) | 140 | 189 | 6 | 9 | 15 | |
| 22631502 | LIBRARIANS, PROFESSIONAL | 605 | 700 | 12 | 28 | 40 | |
| 22631505 | TECHNICAL ASSISTANTS: LIBRARY | 230 | 268 | 5 | 5 | 10 | |
| 22631514 | VOCATIONAL AND EDUC. COUNSELORS | 456 | 524 | 9 | 14 | 23 | |
| 22732314 | SPEECH PATHOLOGISTS, AUDIOLOGISTS | | | | | | |
| 22834058 | ATHLETE, COACH, UMPIRE & RELAY | 46 | 52 | 1 | 1 | 2 | |
| 44353902 | LIBRARY ASSISTANTS, BOOKMOBIL | 614 | 720 | 13 | 19 | 32 | |
| 44353905 | TEACHER AIDES, EDUC. ASSISTANTS | 3,020 | 3,398 | 47 | 81 | 128 | |
| 55363099 | PROTECTIVE SERVICE (NON DETAIL) | 691 | 816 | 16 | 35 | 51 | |
| 55868035 | SOCIAL WELFARE SERVICE AIDES | 394 | 463 | 9 | 16 | 25 | |
| 55868038 | CHILD CARE WORKERS | 630 | 827 | 25 | 40 | 65 | |
| CLUSTER TOTAL | | 21,343 | 24,220 | 362 | 741 | 1,103 | 1310 |

SV6-FOOD PROD., MGMT., & SERV.

|-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| FOOD PROD., MGT. & SERVICES, GENERAL | 20.0401 | 30 | 5 | | | | | | 35 |
| CHEF/COOK | 20.0403 | | 23 | | | | | | 23 |
| HOME ECONOMIST | 096.121-014 | | | | | | 1 | | 1 |
| MANAGER, FAST FOOD SERVICES | 185.137-010 | | | | | | 2 | | 2 |
| MANAGER, FOOD SERVICE | 187.167-106 | | | | | 5 | 4 | | 9 |
| MANAGER, LIQUOR ESTABLISHMENT | 187.167-126 | | | | | 1 | | | 1 |
| COOK | 305.281-010 | | | | | | 1 | | 1 |
| HOST/HOUSTESS, RESTAURANT | 310.137-010 | | | | | | 7 | | 7 |
| KITCHEN SUPERVISOR | 310.137-014 | | | | | 1 | 1 | | 2 |
| CAR HOP | 311.477-010 | | | | | | 13 | | 13 |
| COUNTER ATTENDANT, LUNCHROOM OR COFFEE | 311.477-014 | | | | | | 95 | | 95 |
| WAITER/WAITRESS, BAR | 311.477-018 | | | | | | 18 | | 18 |
| WAITER/WAITRESS, FORMAL | 311.477-026 | | | | | | 16 | | 16 |
| WAITER/WAITRESS, INFORMAL | 311.477-030 | | | | | | 36 | | 36 |
| WAITER/WAITRESS, ROOM SERVICE | 311.477-034 | | | | | | 1 | | 1 |
| CANTEEN OPERATOR | 311.674-010 | | | | | 1 | 1 | | 2 |
| WAITER/WAITRESS, BUFFET | 311.674-018 | | | | | 1 | 4 | | 5 |
| CAFETERIA ATTENDANT | 311.677-010 | | | | | | 1 | | 2 |
| COUNTER ATTENDANT, CAFETERIA | 311.677-014 | | | | | | 3 | | 3 |
| DINING ROOM ATTENDANT | 311.677-018 | | | | | | 1 | | 1 |
| BARTENDER | 312.474-010 | | | | | 5 | 42 | | 47 |
| BAR ATTENDANT | 312.477-010 | | | | | 1 | 1 | | 2 |
| BARTENDER HELPER | 312.687-010 | | | | | | 1 | | 1 |
| CHEF | 313.131-014 | | | | | 4 | 4 | | 8 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SV6-FOOD PROD., MGMT., & SERV.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| BAKER, SECOND | 313.361-010 | | | | | | 3 | 3 | 3 |
| COOK | 313.361-014 | | | | | 4 | 83 | | 87 |
| COOK, APPRENTICE | 313.361-018 | | | | | | | 22 | 22 |
| COOK, SHORT ORDER 1 | 313.361-022 | | | | | 1 | 31 | | 32 |
| COOK, SPECIALTY | 313.361-026 | | | | | | 1 | | 1 |
| COOK, SPECIALTY, FOREIGN FOOD | 313.361-030 | | | | | | 2 | | 2 |
| COOK, SCHOOL CAFETERIA | 313.381-030 | | | | | | 1 | | 1 |
| COOK, SHORT ORDER 2 | 313.671-010 | | | | | 1 | 4 | | 5 |
| COOK HELPER, PASTRY | 313.687-010 | | | | | | 1 | | 1 |
| COOK | 315.361-010 | | | | | 5 | 16 | 32 | 53 |
| COOK, PASTRY, PSYCHIATRIC HOSPITAL | 315.361-014 | | | | | 1 | 7 | | 8 |
| MEAT CUTTER | 316.684-018 | | | | | 1 | 6 | | 7 |
| MEAT-CUTTER APPRENTICE | 316.684-022 | | | | | 1 | 1 | | 2 |
| PANTRY GOODS MAKER | 317.684-014 | | | | | 1 | | | 1 |
| COOK HELPER | 317.687-010 | | | | | 3 | 4 | 2 | 9 |
| KITCHEN HELPER | 318.687-010 | | | | | 14 | 94 | | 108 |
| FOOD-SERVICE SUPERVISOR | 319.137-010 | | | | | 1 | 1 | | 2 |
| FOOD ASSEMBLER, KITCHEN | 319.484-010 | | | | | 1 | 1 | | 2 |
| WAITER/WAITRESS | 350.677-030 | | | | | | 1 | | 1 |
| FOOD-SERVICE WORKER, HOSPITAL | 355.677-010 | | | | | 2 | 3 | | 5 |
| SAUSAGE MIXER | 520.685-206 | | | | | | 1 | | 1 |
| BUTCHER, ALL-ROUND | 525.381-014 | | | | | | 1 | | 1 |
| MEAT DRESSER | 525.664-010 | | | | | | 2 | | 2 |
| CARCASS SPLITTER | 525.684-018 | | | | | | 1 | | 1 |

M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

SV6-FOOD PROD., MGMT., & SERV.

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| POULTRY Eviscerator | 525.687-074 | | | | | | 1 | | 1 |
| BAKER | 526.381-010 | | | | | 1 | 4 | | 5 |
| BAKER APPRENTICE | 526.381-014 | | | | | 1 | | | 1 |
| COOK, KETTLE | 526.381-026 | | | | | | 1 | | 1 |
| DOUGHNUT MAKER | 526.684-010 | | | | | | 1 | | 1 |
| BAKER HELPER | 526.686-010 | | | | | 1 | | | 1 |
| CANNERY WORKER | 529.686-014 | | | | | 1 | | | 1 |
| MIXING-MACHINE OPERATOR | 550.382-022 | | | | | | 2 | | 2 |
| CLUSTER TOTAL | | 30 | 28 | 0 | 0 | 60 | 527 | 56 | 701 |

SV6-FOOD PROD., MGMT., & SERV.

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|--------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11515026 | FOOD SERVICE & LODGING MANAGE | 1,178 | 1,510 | 42 | 51 | 93 | |
| 22732521 | DIETITIANS AND NUTRITIONISTS | 182 | 233 | 6 | 9 | 15 | |
| 55565002 | HOSTS & HOSTESSES | 437 | 564 | 16 | 16 | 32 | |
| 55565005 | BARTENDERS | 1,766 | 2,218 | 57 | 90 | 147 | |
| 55565008 | WAITERS AND WAITRESSES | 7,319 | 9,304 | 248 | 270 | 518 | |
| 55565011 | FOOD SERVERS, OUTSIDE | 99 | 129 | 4 | 4 | 8 | |
| 55565014 | DINING ROOM & BARTENDER HELPE | 1,543 | 1,979 | 55 | 19 | 74 | |
| 55565021 | BAKERS, BREAD AND PASTRY | 226 | 275 | 6 | 10 | 16 | |
| 55565023 | BUTCHERS AND MEAT CUTTERS | 549 | 598 | 6 | 20 | 26 | |
| 55565026 | COOKS: RESTAURANT | 1,510 | 1,942 | 54 | 69 | 123 | |
| 55565028 | COOKS: INSTITUTION OR CAFETER | 1,412 | 1,687 | 34 | 62 | 96 | |
| 55565032 | COOKS: FAST FOOD AND SHORT OR | 2,002 | 2,548 | 68 | 91 | 159 | |
| 55565038 | FOOD PREPARATION WORKERS | 4,353 | 5,414 | 133 | 173 | 306 | |
| 55565041 | COMB. FOOD PREPARATION, SERV1 | 5,047 | 6,467 | 178 | 230 | 408 | |
| 55565099 | FOOD SERVICE WORKERS (NO DETA | 620 | 766 | 18 | 42 | 60 | |
| 77489802 | SLAUGHTERERS AND BUTCHERS | 272 | 312 | 5 | 9 | 14 | |
| 77489805 | BAKERS: MANUFACTURING | 339 | 372 | 4 | 14 | 18 | |
| 77489808 | FOOD BATCHMAKERS | 29 | 31 | | 1 | 1 | |
| 77489899 | OTHER PRECISION FOOD, TOBACCO | 24 | 24 | | 1 | 1 | |
| 77592917 | COOKING MACHINE OPER., FOOD/T | 14 | 16 | | | | |
| 77592921 | ROASTING, DRYING OPER., FOOD/T | 24 | 22 | | 1 | 1 | |
| 77592932 | DAIRY PROCESSING EQUIP. OPERA | 39 | 37 | | 1 | 1 | |
| 77592958 | CLEANING, PICKLING FQUIP. OPER | 15 | 16 | | | | |
| 77693935 | CANNERY WORKERS | 4 | 5 | | | | |
| 77693938 | MEAT, POULTRY, FISH CUTTERS | 95 | 109 | 2 | 3 | 5 | |

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| CLUSTER | TOTAL | 29,098 | 36,578 | 936 | 1,186 | 2,122 | 701 |

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

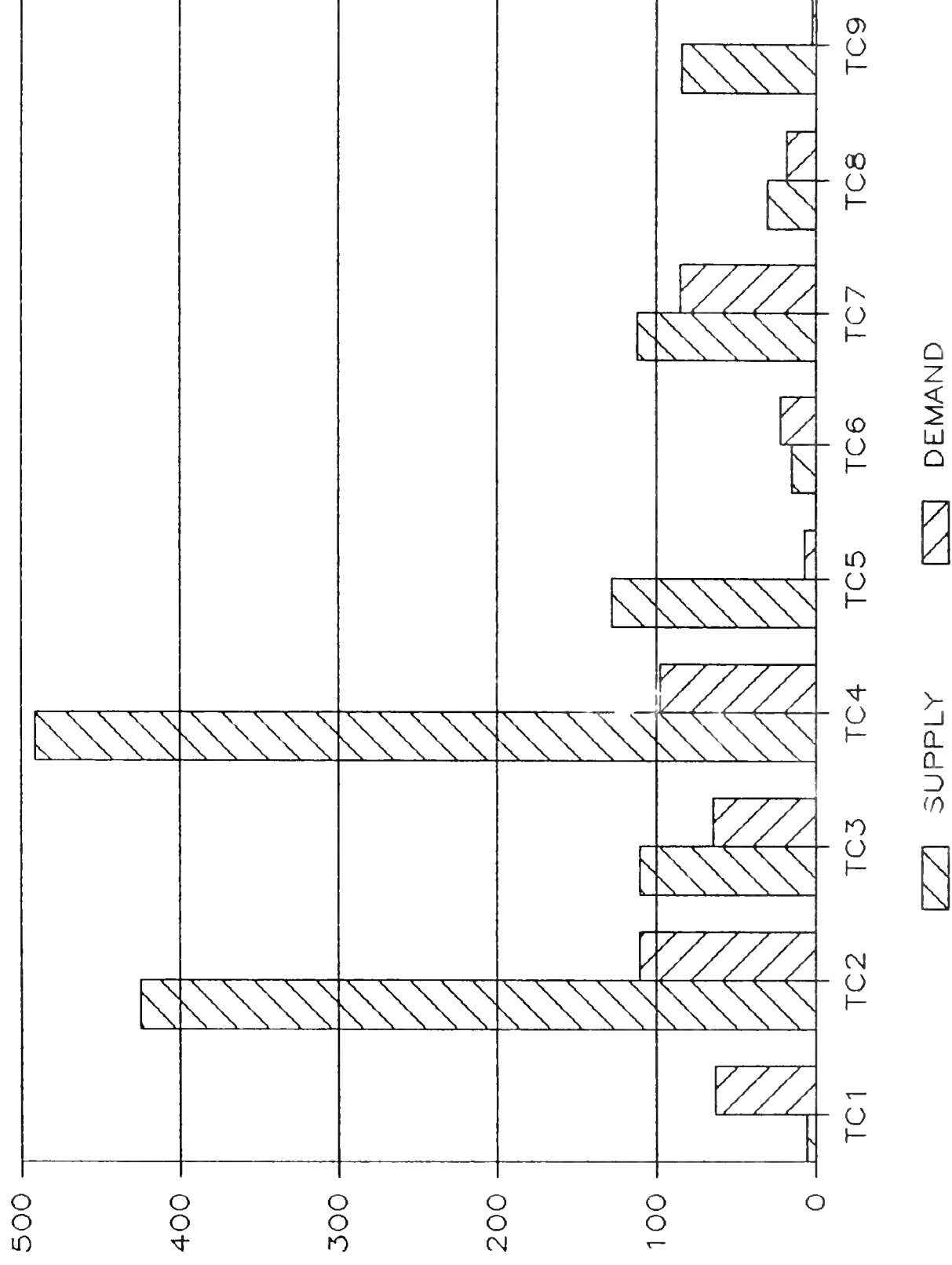
SV7-FUNERAL SERVICES

| TITLE | CODE | PUBLIC | | VO-ED | | HIGHER ED. | PROP. SCHOOLS | | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------|-------------|--------|--|---------|--|---------------|------------------|---|--------------|------|--------------|------------------|
| | | SEC | | VO-TECH | | | | | | | | |
| CEMETERY WORKER | 406.684-010 | | | | | | | | | 6 | | 6 |
| CLUSTER TOTAL | | 0 | | 0 | | 0 | 0 | 0 | 0 | 6 | 0 | 6 |

SV7-FUNERAL SERVICES

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22939014 | EMBALMERS | 41 | 45 | 1 | 1 | 2 | |
| 55868041 | FUNERAL ATTENDANTS | 4 | 4 | | | | |
| CLUSTER TOTAL | | 45 | 49 | 1 | 1 | 2 | 6 |

TECHNOLOGY



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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----|

1C1-POWER STATION OPERATORS

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CONVENTIONAL ELECTRIC POWER GENERATION | 47.0502 | | | 1 | | | | | 1 |
| ELECTRICAL ENGINEER, POWER SYSTEM | 003.167-018 | | | | | | | | |
| BOILER OPERATOR | 950.382-010 | | | | | | 2 | | 2 |
| POWER-PLANT OPERATOR | 952.382-018 | | | | | 1 | | | 1 |
| GAS-PUMPING-STATION HELPER | 953.684-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 5 |

TC1-POWER STATION OPERATORS

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|--------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122117 | NUCLEAR ENGINEERS | 3 | 2 | | | | |
| 77591935 | FURNACE OPERATORS AND TENDERS | 23 | 25 | | 1 | 1 | |
| 77592923 | FURNACE, KILN, OVEN, KETTLE OP | 148 | 198 | 6 | 5 | 11 | |
| 77592926 | LOW PRESSURE BOILER OPERATOR | 273 | 308 | 4 | 12 | 16 | |
| 77795005 | GAS PLANT OPERATORS | 14 | 16 | | 1 | 1 | |
| 77795021 | POWER GENERATING PLANT OPERAT | 53 | 57 | 1 | 2 | 3 | |
| 77795023 | AUXILIARY EQUIP. OPER., POWER | 9 | 10 | | | | |
| 77795028 | POWER DISTRIBUTORS & DISPATCH | 27 | 28 | | 1 | 1 | |
| 77795032 | STATIONARY ENGINEERS | 182 | 197 | 2 | 8 | 10 | |
| 77795099 | PLANT AND SYSTEM OCC. (NO DETA | 197 | 249 | 7 | 5 | 12 | |
| 77897921 | GAS COMPRESSOR OPERATORS | 42 | 45 | | 1 | 1 | |
| 77897953 | PUMP OPERATORS | 90 | 111 | 3 | 3 | 6 | |
| 77898917 | GAS PUMPING STATION OPERATORS | 27 | 29 | | 1 | 1 | |
| CLUSTER TOTAL | | 1,088 | 1,275 | 23 | 40 | 63 | 5 |

|-----S U P P L Y S O U R C E S-----|

TC2-CIVIL TECH./MATH SCIENCE

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| ENGINEERING, GENERAL | 14.0101 | | | 52 | | | | | 52 |
| CIVIL ENGINEERING | 14.0801 | | | 117 | | | | | 117 |
| ELECTRICAL, ELECTRONICS & COMMUNICATIO | 14.1001 | | | 101 | | | | | 101 |
| CIVIL TECHNOLOGY | 15.0201 | | 4 | | | | | | 4 |
| MATHEMATICS, GENERAL | 27.0101 | | | 80 | | | | | 80 |
| PURE MATHEMATICS | 27.0401 | | | 4 | | | | | 4 |
| STATISTICS | 27.0501 | | | 2 | | | | | 2 |
| CIVIL ENGINEER | 005.061-014 | | | | 8 | | 1 | | 9 |
| GEODETIC COMPUTER | 018.167-014 | | | | | | 1 | | 1 |
| LAND SURVEYOR | 018.167-018 | | | | 1 | | | | 1 |
| SURVEYOR ASSISTANT, INSTRUMENTS | 018.167-034 | | | | 1 | | 4 | | 5 |
| SURVEYOR, GEODETIC | 018.167-038 | | | | | | 1 | | 1 |
| PHOTOGRAMMETRIST | 018.261-026 | | | | 2 | | 3 | | 5 |
| ENGINEERING ANALYST | 020.067-010 | | | | 2 | | | | 2 |
| MATHEMATICIAN | 020.067-014 | | | | 1 | | | | 1 |
| MATHEMATICAL TECHNICIAN | 020.162-010 | | | | 1 | | | | 1 |
| GEOLOGIST | 024.061-018 | | | | 7 | | 2 | | 9 |
| GEOLOGIST, PETROLEUM | 024.061-022 | | | | 1 | | | | 1 |
| GEOPHYSICIST | 024.061-030 | | | | 1 | | | | 1 |
| PALFONTOLOGIST | 024.061-042 | | | | 1 | | | | 1 |
| RADIOGRAPHER | 199.361-010 | | | | 1 | | | | 1 |
| SURVEYOR HELPER | 869.567-010 | | | | 4 | | 20 | | 24 |
| OBSERVER HELPER, SEISMIC PROSPECTING | 939.364-010 | | | | | | 2 | | 2 |

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

TC2-CIVIL TECH./MATH SCIENCE

-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------|------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CLUSTER TOTAL | | 0 | 4 | 356 | 0 | 31 | 34 | 0 | 425 |

TC2-CIVIL TECH./MATH SCIENCE

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122121 | CIVIL ENGINEERS, INCL. TRAFFI | 793 | 914 | 15 | 22 | 37 | |
| 22122199 | ENGINEERS (NO DETAIL) | 293 | 317 | 3 | 7 | 10 | |
| 22122302 | ARCHITECTS, INCL. MARINE ARCH | 144 | 189 | 6 | 5 | 11 | |
| 22122502 | CIVIL ENGINEERING TECHNICIANS | 177 | 221 | 6 | 3 | 9 | |
| 22122599 | ENGINEERING TECHN. (NO DETAIL | 736 | 822 | 11 | 14 | 25 | |
| 22224111 | GEOLOGIST, GEOPHYS., OCEANOGRAP | 199 | 237 | 5 | 5 | 10 | |
| 22224199 | PHYSICAL SCIENTISTS (NO DETAI | 97 | 107 | 1 | 3 | 4 | |
| 22325312 | STATISTICIANS | 51 | 64 | 2 | 1 | 3 | |
| 22325319 | ALL OTHER MATH. SCIENTISTS | 51 | 59 | 1 | 1 | 2 | |
| 22325323 | MATHEMATICAL TECHNICIANS | 1 | 1 | | | | |
| CLUSTER TOTAL | | 2,542 | 2,931 | 50 | 61 | 111 | 425 |

-----S U P P L Y S O U R C E S-----|

TC3-CHEMICAL TECHNOLOGY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CHEMICAL ENGINEERING | 14.0701 | | | 58 | | | | | 58 |
| CHEMISTRY, GENERAL | 40.0501 | | | 44 | | | | | 44 |
| CHEMICAL ENGINEER | 008.061-018 | | | | | 1 | | | 1 |
| TESTER | 029.261-022 | | | | | | 1 | | 1 |
| DYE WEIGHER | 550.684-014 | | | | | 1 | | | 1 |
| ABSORPTION OPERATOR | 551.382-010 | | | | | | 1 | | 1 |
| PRODUCTION SUPERVISOR, ANHYDROUS AMMON | 559.132-046 | | | | | | 1 | | 1 |
| FIBERGLASS LAMINATOR | 806.684-054 | | | | | | 4 | | 4 |
| CLUSTER TOTAL | | 0 | 0 | 102 | 0 | 2 | 7 | 0 | 111 |

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MONTANA D E M A N D R E P O R T

TC3-CHEMICAL TECHNOLOGY

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY- MENT-1982 | PROJ EMPLOY- MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE- MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|---------------------------------|------------------------------|-------------------|------------------------------|-------------------------------|--------|
| 22122111 | PETROLEUM ENGINEERS | 62 | 68 | 1 | 1 | 2 | |
| 22122114 | CHEMICAL ENGINEERS | 72 | 71 | | 1 | 1 | |
| 22224105 | CHEMISTS, EXCEPT BIOCHEMISTS | 176 | 221 | 6 | 4 | 10 | |
| 22224505 | CHEMICAL TECHNICIANS, EXC. HEAL | 61 | 63 | | 1 | 1 | |
| 22224511 | PETROLEUM TECHNICIANS | 90 | 97 | 1 | 2 | 3 | |
| 77387914 | DERRICK OPERATORS, OIL & GAS | 227 | 245 | 2 | 5 | 7 | |
| 77387917 | SERVICE UNIT OPERATORS | 128 | 138 | 1 | 3 | 4 | |
| 77387999 | EXTRACTIVE WORKERS (NO DETAIL | 32 | 33 | | 1 | 1 | |
| 77592935 | CHEMICAL EQUIP. CONTROLLER/OP | 68 | 72 | 1 | 2 | 3 | |
| 77592938 | CHEMICAL EQUIPMENT TENDER | 35 | 38 | | 1 | 1 | |
| 77795008 | CHEMICAL PLANT AND SYSTEM OPE | 36 | 36 | | 1 | 1 | |
| 77795011 | PETROLEUM PUMP SYSTEM OPERATO | 2 | 2 | | | | |
| 77795014 | PETROLEUM REFINERY OPERATORS | 197 | 181 | -1 | 6 | 5 | |
| 77795017 | GAUGERS | 16 | 17 | | | | |
| 77897908 | OIL PUMPERS, EXCEPT WELL HEAD | 79 | 85 | 1 | 3 | 4 | |
| 77998323 | HELPERS: EXTRACTIVE WORKERS | 630 | 681 | 6 | 15 | 21 | |
| CLUSTER TOTAL | | 1,911 | 2,048 | 18 | 46 | 64 | 111 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

TC4-ENVIRONMENTAL CONTRL TECHN

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| RENEWABLE NATURAL RESOURCES, GENERAL | 03.0101 | | | 25 | | | | | 25 |
| CONSERVATION AND REGULATION, GENERAL | 03.0201 | | | 9 | | | | | 9 |
| CONSERVATION AND REGULATION, GENERAL | 03.0299 | | | 17 | | | | | 17 |
| ARCHITECTURE | 04.0201 | | | 40 | | | | | 40 |
| ENVIRONMENTAL HEALTH ENGINEERING | 14.1401 | | | 23 | | | | | 23 |
| GEOLOGICAL ENGINEERING | 14.1501 | | | 17 | | | | | 17 |
| GEOPHYSICAL ENGINEERING | 14.1601 | | | 11 | | | | | 11 |
| METALLURGICAL ENGINEERING | 14.2001 | | | 13 | | | | | 13 |
| MINING AND MINERAL ENGINEERING | 14.2101 | | | 28 | | | | | 28 |
| PETROLEUM ENGINEERING | 14.2501 | | | 69 | | | | | 69 |
| MINERAL PROCESSING ENGINEERING | 14.7899 | | | 9 | | | | | 9 |
| OCCUPATIONAL HEALTH & SAFETY TECHNOLOG | 15.0701 | | | 15 | | | | | 15 |
| BIOLOGICAL AND PHYSICAL SCIENCES | 30.0101 | | | 18 | | | | | 18 |
| ENVIRONMENTAL STUDIES | 30.7899 | | | 7 | | | | | 7 |
| GEOLOGY | 40.0601 | | | 77 | | | | | 77 |
| GEOCHEMISTRY | 40.0602 | | | 3 | | | | | 3 |
| EARTH SCIENCE | 40.0703 | | | 53 | | | | | 53 |
| PHYSICS, GENERAL | 40.0801 | | | 18 | | | | | 18 |
| GEOGRAPHY | 45.0701 | | | 14 | | | | | 14 |
| PETROLEUM ENGINEER | 010.061-018 | | | | | | | 2 1 | 3 |
| DISTRICT SUPERVISOR, MUD-ANALYSIS WELL | 010.167-014 | | | | | | | 1 | 1 |
| DRAFTER, GEOPHYSICAL | 010.281-018 | | | | | | | | |
| GEOLOGIST | 024.061-018 | | | | | | | | |
| GEOLOGIST, PETROLEUM | 024.061-022 | | | | | | | 1 | 1 |

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M O N T A N A S U P P L Y R E P O R T

FOR PERIOD 1982-1983.

|-----S U P P L Y S O U R C E S-----|

TC4-ENVIRONMENTAL CONTRL TECHN

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| GEOPHYSICIST | 024.061-030 | | | | | | | | |
| PALEONTOLOGIST | 024.061-042 | | | | | | | | |
| ENGINEER, SOILS | 024.161-010 | | | 1 | 1 | | | | 2 |
| METEOROLOGIST | 025.062-010 | | | 1 | | | | | 1 |
| ENVIRONMENTAL ANALYST | 029.081-010 | | | 1 | | | | | 1 |
| SOIL CONSERVATIONIST | 040.061-054 | | | | | | | | |
| MINE INSPECTOR | 168.267-074 | | | 1 | | | | | 1 |
| URBAN PLANNER | 199.167-014 | | | 1 | 1 | | | | 2 |
| CHECKER, DUMP GROUNDS | 219.367-010 | | | | 1 | | | | 1 |
| WATER-TREATMENT-PLANT OPERATOR | 551.485-010 | | | | | 1 | | | 1 |
| ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER | 637.664-010 | | | | | 2 | | | 2 |
| MINER | 850.381-010 | | | 1 | | | | | 1 |
| LINE WALKER | 869.564-010 | | | | | 1 | | | 1 |
| MINER 1 | 939.281-010 | | | | | 1 | | | 1 |
| WASTEWATER-TREATMENT-PLANT OPERATOR | 955.362-010 | | | | | 1 | 1 | | 2 |
| SANITARY LANDFILL OPERATOR | 955.463-010 | | | | | | 3 | | 3 |
| SEWAGE-DISPOSAL WORKER | 955.687-010 | | | | | | 1 | | 1 |
| CLUSTER TOTAL | | 0 | 0 | 466 | 0 | 12 | 13 | 0 | 491 |

TC4-ENVIRONMENTAL CONTRL TECHN

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|---------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 11515021 | MINING, QUARRY., OIL DRILL. MGR | 1 | 1 | | | | |
| 22021908 | CONSTRUCTION INSPECTORS | 642 | 686 | 6 | 31 | 37 | |
| 22122108 | MINING ENGINEERS, INCL. SAFET | 52 | 66 | 2 | 2 | 4 | |
| 22122132 | SAFETY ENGINEERS, EXCEPT MINI | 43 | 48 | 1 | 1 | 2 | |
| 22122517 | UTILITIES ESTIMATORS & DRAFTE | 20 | 22 | | 1 | 1 | |
| 22122521 | SURVEYING AND MAPPING TECHN. | 455 | 537 | 10 | 9 | 19 | |
| 22224102 | PHYSICISTS AND ASTRONOMERS | 8 | 11 | | | | |
| 22224108 | ATMOSPHERIC & SPACE SCIENTIST | 28 | 31 | | 1 | 1 | |
| 22427105 | URBAN AND REGIONAL PLANNERS | 143 | 166 | 3 | 3 | 6 | |
| 22939005 | TRAFFIC TECHNICIANS | 23 | 25 | | 1 | 1 | |
| 77795002 | WATER & WASTE TREAT. PLANT OP | 294 | 365 | 9 | 13 | 22 | |
| 77897911 | WELL HEAD PUMPERS | 88 | 96 | 1 | 4 | 5 | |
| CLUSTER TOTAL | | 1,797 | 2,054 | 32 | 66 | 98 | 491 |

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MONTANA SUPPLY REPORT

FOR PERIOD 1982-1983.

-----SUPPLY SOURCES-----}

IC5-MECHANICAL TECHNOLOGY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| MECHANICAL ENGINEERING | 14.1901 | | | 92 | | | | | 92 |
| MECHANICAL ENGINEER | 007.061-014 | | | | | 2 | 2 | | 4 |
| MECHANICAL-DESIGN ENGINEER, FACILITIES | 007.061-018 | | | | | 1 | | | 1 |
| ENGINEERING ASSISTANT, MECHANICAL EQUI | 007.161-018 | | | | | 10 | 4 | | 14 |
| MECHANICAL-ENGINEERING TECHNICIAN | 007.161-026 | | | | | 1 | | | 1 |
| DIE-DRAWING CHECKER | 007.167-010 | | | | | 1 | | | 1 |
| TOOL PROGRAMER, NUMERICAL CONTROL | 007.167-018 | | | | | 10 | 1 | | 11 |
| HEAT-TRANSFER TECHNICIAN | 007.181-010 | | | | | 2 | | | 2 |
| INSPECTOR AND TESTER | 624.361-010 | | | | | | | | |
| MAINTENANCE-MECHANIC SUPERVISOR | 638.131-022 | | | | | | 2 | | 2 |
| SCALE ASSEMBLY SET-UP WORKER | 710.360-010 | | | | | | | | |
| CLUSTER TOTAL | | 0 | 0 | 92 | 0 | 27 | 9 | 0 | 128 |

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MONTANA D E M A N D R E P O R T

TC5-MECHANICAL TECHNOLOGY

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122135 | MECHANICAL ENGINEERS | 210 | 227 | 2 | 5 | 7 | |
| 22122511 | MECHANICAL ENGINEERING TECHN. | 9 | 9 | | | | |
| CLUSTER TOTAL | | 219 | 236 | 2 | 5 | 7 | 128 |

|-----S U P P L Y S O U R C E S-----|

TC6-INSTRUMENT TECHNOLOGY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| WATCH REPAIR | 47.0408 | | | | | | | | 3 |
| JEWELRY DESIGN, FABRICATION (FACETING) | 48.0602 | | | | | | | | |
| ELECTRICAL RESEARCH ENGINEER | 003.061-026 | | | | | | | | |
| ELECTRICAL TECHNICIAN | 003.161-010 | | | | | | | | |
| ELECTRICAL ENGINEER, POWER SYSTEM | 003.167-018 | | | | | | | | |
| INSTRUMENTATION TECHNICIAN | 003.261-010 | | | | 1 | | | | 1 |
| JEWELER APPRENTICE | 700.281-014 | | | | | | | 1 | 1 |
| ENGRAVER, PANTOGRAPH 1 | 704.382-010 | | | | | | | 1 | 1 |
| LOCKSMITH | 709.281-010 | | | | | | | 1 | 1 |
| MODEL MAKER | 709.381-018 | | | | | 1 | | | 1 |
| WATCH REPAIRER | 715.281-010 | | | | | 1 | | 1 | 2 |
| WATCH REPAIRER APPRENTICE | 715.281-014 | | | | | 1 | | | 1 |
| ADJUSTER, ALARM MECHANISM | 715.684-010 | | | | | | 1 | | 1 |
| FIREWORKS ASSEMBLER | 737.587-014 | | | | | | 1 | | 1 |
| PRODUCTION ASSEMBLER | 737.684-034 | | | | | | | | |
| DIAMOND CLEAVER | 770.381-014 | | | | | 1 | 1 | | 2 |
| CLUSTER TOTAL | | 0 | 3 | 0 | 0 | 5 | 7 | 0 | 15 |

TC6--INSTRUMENT TECHNOLOGY

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 77285905 | PRECISION INSTRUMENT REPAIRER | 173 | 187 | 2 | 5 | 7 | |
| 77285917 | WATCHMAKERS | 15 | 19 | 1 | 1 | 2 | |
| 77285921 | MUSICAL INSTRUMENT REPAIRERS | 12 | 15 | | 1 | 1 | |
| 77285923 | LOCKSMITHS AND SAFE REPAIRERS | 1 | 1 | | | | |
| 77489123 | JEWELERS AND SILVERSMITHS | 44 | 56 | 2 | 3 | 5 | |
| 77489917 | PRECISION OPTICAL GOODS WORKE | 44 | 56 | 2 | 1 | 3 | |
| 77591114 | GRINDING,BUFFING MACH.SET/OP. | 34 | 45 | 1 | 1 | 2 | |
| 77693953 | GRINDING AND POLISHING, HAND | 19 | 25 | 1 | 1 | 2 | |
| CLUSTER TOTAL | | 342 | 404 | 9 | 13 | 22 | 15 |

IC7-TEXTILE TECHNOLOGY

|-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|---------------------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| CLOTHING, APPAREL & TEXTILES | 20.0301 | 7 | | | | | | | 7 |
| SHOE AND BOOT REPAIR | 47.0406 | | | 11 | | | | | 11 |
| LAUNDRY WORKER 1 | 361.684-014 | | | | | 1 | | 4 | 5 |
| LAUNDRY WORKER 2 | 361.685-018 | | | | | 1 | | | 1 |
| LAUNDRY LABORER | 361.687-018 | | | | | | | 6 | 6 |
| DRY-CLEANER APPRENTICE | 362.382-010 | | | | | 1 | | 2 | 3 |
| DRY CLEANER | 362.382-014 | | | | | 1 | | 1 | 2 |
| SILK FINISHER | 363.681-010 | | | | | | | 1 | 1 |
| PRESSER, MACHINE | 363.682-018 | | | | | 1 | | 1 | 2 |
| BLOCKER | 363.684-010 | | | | | 1 | | | 1 |
| PRESSER, HAND | 363.684-018 | | | | | | | 1 | 1 |
| SHOE REPAIRER | 365.361-014 | | | | | | | 10 | 12 |
| SHOE-REPAIRER HELPER | 365.674-010 | | | | | | | 1 | 1 |
| RUG CLEANER, HAND | 369.384-014 | | | | | | | | |
| SELF-SERVICE-LAUNDRY-AND-DRY-CLEANING | 369.677-010 | | | | | 2 | | 1 | 3 |
| LAUNDRY OPERATOR | 369.684-014 | | | | | | | 1 | 1 |
| PRESS OPERATOR | 583.685-086 | | | | | | | 3 | 3 |
| CLOTH PRINTER | 652.382-010 | | | | | 1 | | 1 | 2 |
| BOBBIN WINDER, SEWING MACHINE | 681.685-026 | | | | | 1 | | | 1 |
| WEAVER, HAND LOOM | 683.684-030 | | | | | | | 1 | 1 |
| KNITTING-MACHINE OPERATOR | 685.665-014 | | | | | | | 1 | 1 |
| BOOTMAKER, HAND | 753.381-010 | | | | | 1 | | | 1 |
| FURNITURE UPHOLSTERER | 780.381-018 | | | | | 2 | | 2 | 4 |
| FURNITURE-UPHOLSTERER APPRENTICE | 780.381-022 | | | | | | | 3 | 3 |

|-----S U P P L Y S O U R C E S-----|

TC7-TEXTILE TECHNOLOGY

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|--|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| AUTOMOBILE-SEAT-COVER-AND-CONVERTIBLE- | 780.384-010 | | | | | | 3 | | 3 |
| CUSHION BUILDER | 780.684-046 | | | | | | 1 | | 1 |
| FABRICATOR, FOAM RUBBER | 780.684-062 | | | | | 1 | | | 1 |
| UPHOLSTERY REPAIRER | 780.684-122 | | | | | | 1 | | 1 |
| CUTTER, MACHINE 1 | 781.684-014 | | | | | | 2 | | 2 |
| ASSEMBLER | 781.687-010 | | | | | 1 | | | 1 |
| SEWER, HAND | 782.684-058 | | | | | 2 | | | 2 |
| SADDLE MAKER | 783.381-026 | | | | | 2 | 2 | | 4 |
| SEWING-MACHINE OPERATOR | 783.682-014 | | | | | | 1 | | 1 |
| BINDER | 787.682-010 | | | | | 1 | 1 | | 2 |
| HEMMER | 787.682-026 | | | | | | 1 | | 1 |
| SEWING-MACHINE OPERATOR | 787.682-046 | | | | | 1 | 8 | | 9 |
| SEWING-MACHINE OPERATOR | 787.682-062 | | | | | | 3 | | 3 |
| COBBLER | 788.381-010 | | | | | 1 | 1 | | 2 |
| SHOEMAKER, CUSTOM | 788.381-014 | | | | | | 3 | | 3 |
| ASSEMBLER FOR PULLER-OVER, HAND | 788.684-010 | | | | | 1 | | | 1 |
| NET MAKER | 789.684-030 | | | | | | 2 | | 2 |
| CLUSTER TOTAL | | 7 | 0 | 0 | 11 | 25 | 69 | 0 | 112 |

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MONTANA D E M A N D R E P O R T

TC7-TEXTILE TECHNOLOGY

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 77285956 | MENDERS: GARMENTS, LINENS | 27 | 25 | | 1 | 1 | |
| 77489502 | FABRIC AND APPAREL PATTERNMAK | 4 | 5 | | | | |
| 77489505 | CUSTOM TAILORS AND SEWERS | 133 | 154 | 3 | 9 | 12 | |
| 77489508 | UPHOLSTERERS | 79 | 118 | 5 | 4 | 9 | |
| 77489511 | SHOE & LEATHER, PRECISION | 16 | 21 | 1 | 1 | 2 | |
| 77489514 | SPOTTERS: DRY CLEANING | 8 | 7 | | | | |
| 77592705 | TEXTILE MACHINE OPERATORS | 4 | 4 | | | | |
| 77592717 | SEWING MACH. OPERATOR: GARMEN | 62 | 78 | 2 | 3 | 5 | |
| 77592721 | SEWING MACH. OPER.: NON-GARME | 80 | 114 | 4 | 3 | 7 | |
| 77592726 | LAUNDRY, DRYCLEANING MACH. OP | 666 | 761 | 12 | 32 | 44 | |
| 77592728 | PRESSING MACH. OPERATOR:TEXTI | 85 | 92 | 1 | 3 | 4 | |
| 77693921 | PRESSERS, HAND | 17 | 15 | | 1 | 1 | |
| 77693923 | SEWERS, HAND | 1 | 1 | | | | |
| CLUSTER TOTAL | | 1,182 | 1,395 | 28 | 57 | 85 | 112 |

|-----S U P P L Y S O U R C E S -----|

TC8-COMMERCIAL AVIATION

| TITLE | CODE | PUBLIC SEC | VO-ED VO-TECH | HIGHER ED. | PROP. SCHOOLS | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|----------------------------|-------------|---------------|------------------|---------------|------------------|--------------|------|--------------|------------------|
| AIRCRAFT MECHANICS | 47.0602 | | 18 | | | | | | 18 |
| INSTRUCTOR, FLYING 1 | 196.223-010 | | | | | 1 | | | 1 |
| AIRPLANE PILOT, COMMERCIAL | 196.263-014 | | | | | | 1 | | 1 |
| TRAFFIC AGENT | 252.257-010 | | | | | | 1 | | 1 |
| SKIN FITTER | 806.381-054 | | | | | | 1 | | 1 |
| AVIONICS TECHNICIAN | 823.281-010 | | | | | | | | |
| AIRPORT ATTENDANT | 912.364-010 | | | | | | 8 | | 8 |
| CLUSTER TOTAL | | 0 | 18 | 0 | 0 | 1 | 11 | 0 | 30 |

TC8-COMMERCIAL AVIATION

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|--------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22939002 | AIR TRAFFIC CONTROLLERS | 136 | 154 | 2 | 3 | 5 | |
| 77285323 | AIRCRAFT MECHANICS | 201 | 230 | 4 | 4 | 8 | |
| 77897702 | AIRCRAFT PILOTS, FLIGHT ENGINE | 151 | 175 | 3 | 2 | 5 | |
| CLUSTER TOTAL | | 488 | 559 | 9 | 9 | 18 | 30 |

TC9- INDUSTRIAL ENGINEERING

-----S U P P L Y S O U R C E S-----|

| TITLE | CODE | PUBLIC | | VO-ED VO-TECH | HIGHER ED. | PROP. | | VOC REHAB | CETA | JOB CORPS | SUPPLY TOTALS |
|-----------------------------------|-------------|--------|-----|------------------|---------------|---------|---------|--------------|------|--------------|------------------|
| | | SEC | ED. | | | SCHOOLS | SCHOOLS | | | | |
| INDUSTRIAL ENGINEERING | 14.1701 | | | | 22 | | | | | | 22 |
| INDUSTRIAL ELECTRONICS | 47.0105 | | | 59 | | | | | | | 59 |
| QUALITY-CONTROL TECHNICIAN | 012.261-014 | | | | | | | | 1 | | 1 |
| INDUSTRIAL ENGINEERING TECHNICIAN | 012.267-010 | | | | | 1 | | | | | 1 |
| WARE TESTER | 579.384-018 | | | | | 1 | | | | | 1 |
| CLUSTER TOTAL | | 0 | | 59 | 22 | 0 | | 2 | 1 | 0 | 84 |
| GRAND CUM. | | 2642 | | 1185 | 5283 | 2094 | | 1100 | 4623 | 469 | 17396 |

TC9-INDUSTIAL ENGINEERING

| OES MATRIX CODE | OES MATRIX TITLE | CURRENT EMPLOY MENT-1982 | PROJ EMPLOY MENT-1990 | AVERAGE GROWTH | AVERAGE REPLACE MENTS | AVERAGE ANNUAL OPENINGS | SUPPLY |
|--------------------|-------------------------------|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------------------|--------|
| 22122128 | INDUSTRIAL ENGINEERS, EXC.SAF | 34 | 45 | 1 | 1 | 2 | |
| 22122508 | INDUSTRIAL ENGINEERING TECHN. | 4 | 6 | | | | |
| CLUSTER TOTAL | | 38 | 51 | 1 | 1 | 2 | 84 |
| GRAND CUM. | | 273,236 | 327,572 | 6,841 | 10,440 | 17,281 | 17,396 |

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